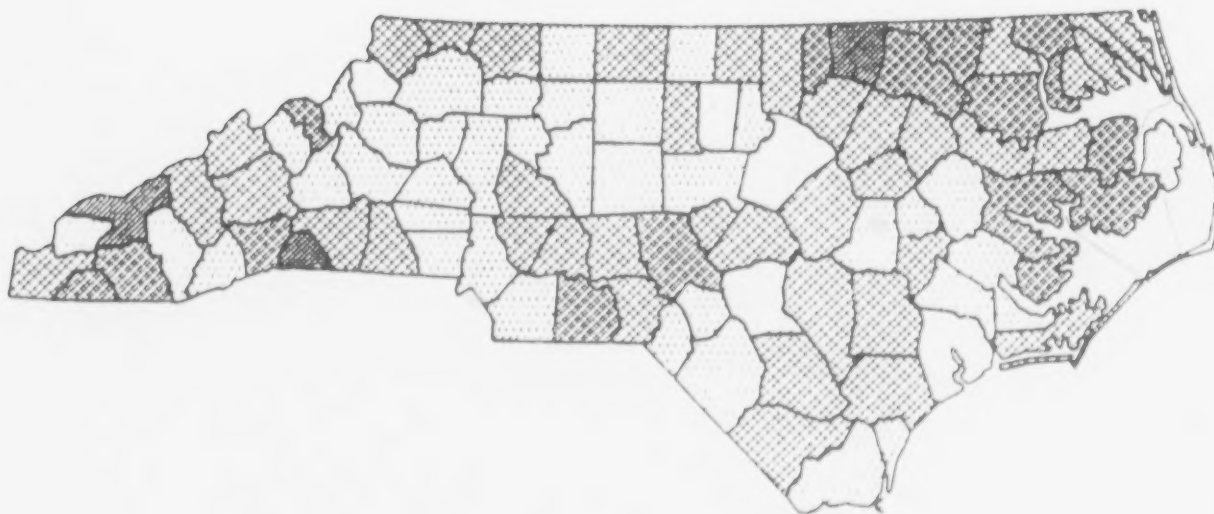


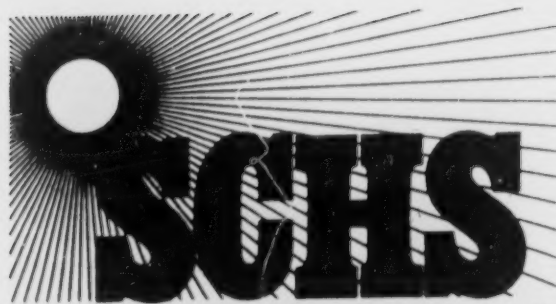
LEADING CAUSES OF MORTALITY



North Carolina
Vital Statistics
1985—Volume 2

LEADING CAUSES OF MORTALITY

North Carolina
Vital Statistics
1985—Volume 2



State Center For Health Statistics

**N.C. Department of Human Resources
Division of Health Services**

STATE OF NORTH CAROLINA

James G. Martin, Governor

DEPARTMENT OF HUMAN RESOURCES

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DIVISION OF HEALTH SERVICES

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STATE CENTER FOR HEALTH STATISTICS

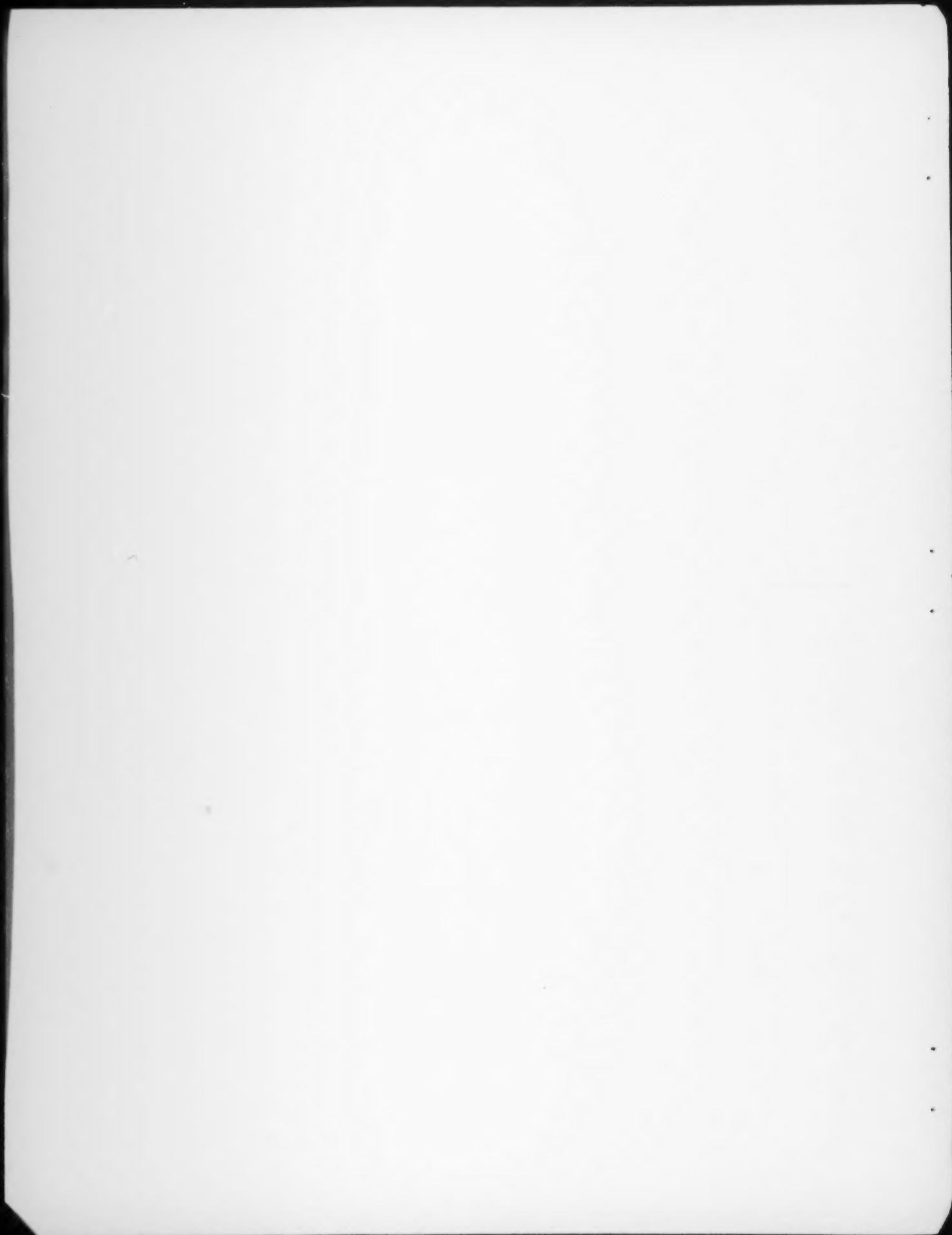
Charles J. Rothwell, M.B.A., M.S., Director

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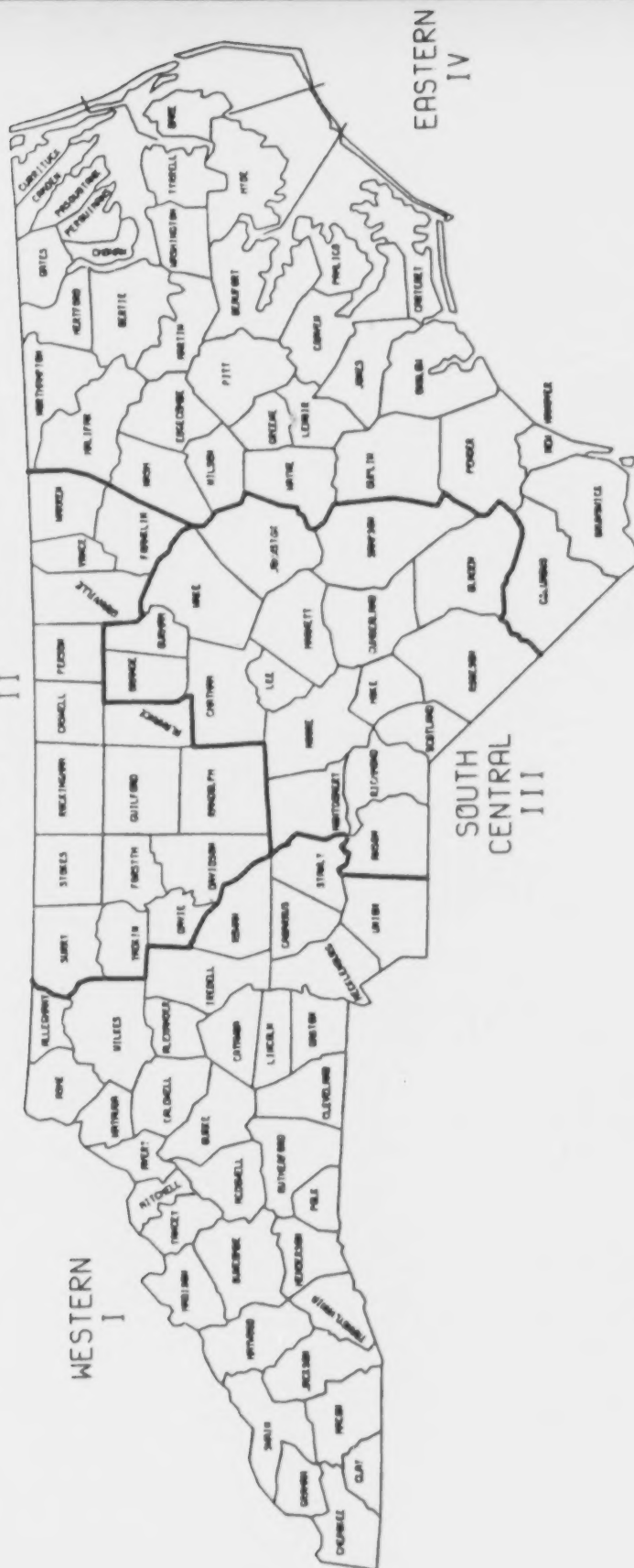
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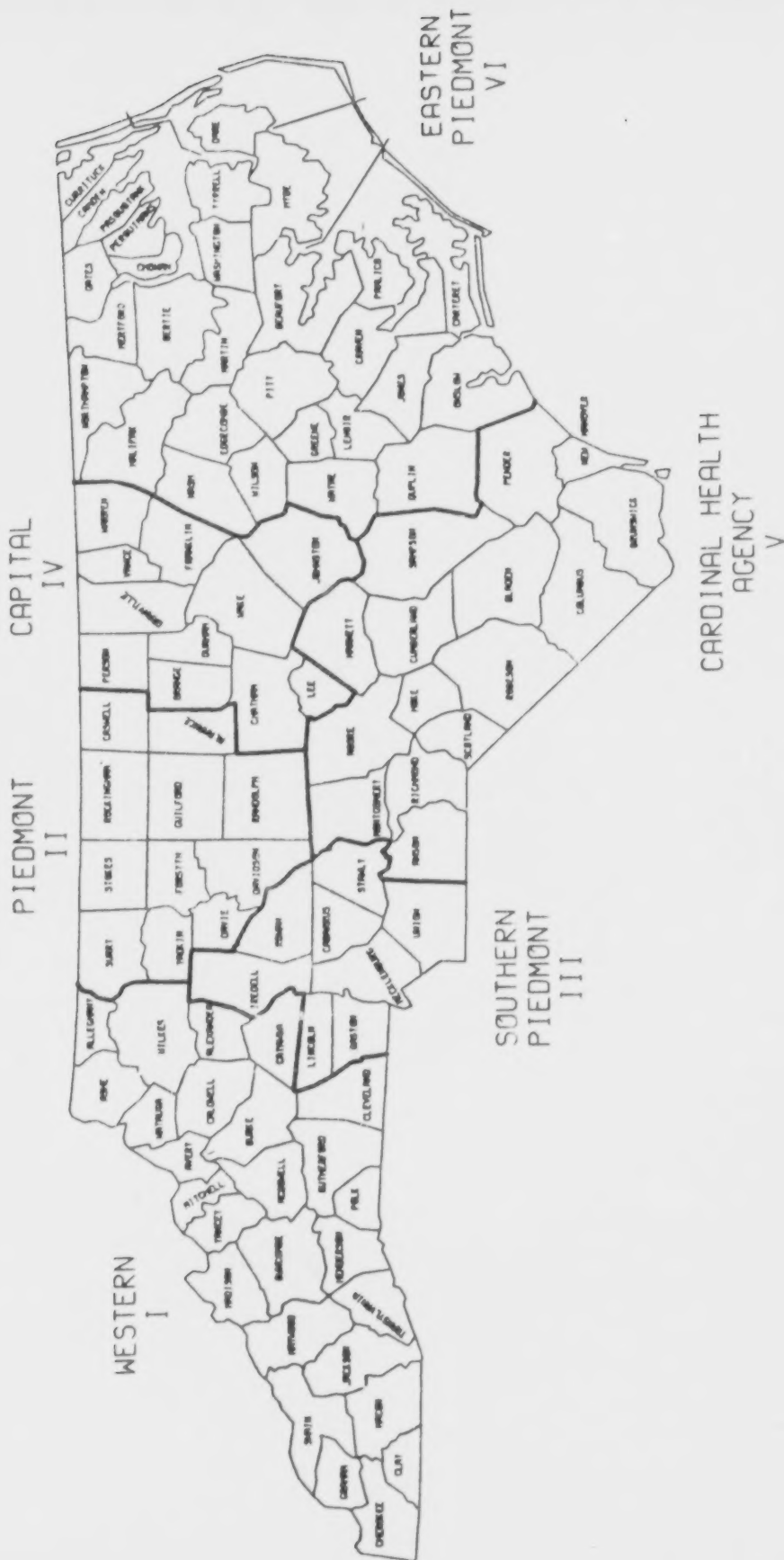
NORTH CAROLINA DHR REGIONS

NORTH CENTRAL
II

WESTERN
I



NORTH CAROLINA HEALTH SERVICE AREAS



PREFACE

The State Center for Health Statistics has produced periodically a major publication describing North Carolina's mortality experience for a five-year period. The 1981 *Leading Causes of Mortality*, the third major publication of this type, included statistical tables, maps, and graphs as well as an analysis for each leading cause of death in North Carolina. In the interim years, the State Center publishes supportive reports of mapped and tabular data only.

This edition of *Leading Causes of Mortality* is a supportive report which should be used in conjunction with the 1981 edition for purposes of health planning and analysis. Another report that can be used is *Detailed Mortality Statistics* which provides annual counts of deaths classified according to detailed underlying causes of death and the age, race, and sex of decedents.

The tables and maps in this report show selected mortality statistics for counties, Department of Human Resources regions, Health Services Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and maps. In addition, the site-specific cancers and total infant mortality are also tabled and mapped. Table 1 on page 4-3 describes the selected cause-of-death categories in terms of codes from *International Classification of Diseases* (Ninth Revision). Altogether, the causes included in this report accounted for 85.7 percent of all North Carolina deaths during 1985.

As with previous editions, multiple conditions present at death are included in this volume. Three diseases in particular—hypertension, atherosclerosis, and diabetes—are considered associated conditions far more often than they are considered an underlying cause. Hence, Figures 29.A through 31.B display 1981-85 county rates for deaths associated with a mention of each of these diseases.

IN USING THIS VOLUME PARTICULAR ATTENTION IS CALLED TO THE SECTIONS ON INTERPRETATION OF MORTALITY RATES AND FLAGGING BIASED RATES.

I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-27 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident deaths under one year of age per 1,000 resident live births. Population bases for the rates of this report were provided by the Office of State Budget and Management in the Governor's Office.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of Tables 1-27.

Unadjusted Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

Unadjusted 5-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 5-year period. These rates are depicted in the Series A maps (e.g., Figures 2.A, 3.A, etc.) printed in blue.

Adjusted 5-Year Death Rate: the average annual age-race-sex-adjusted rates computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which **would be expected** if the average annual age, race, and sex composition of each county's population were the same as that estimated for the state. These rates are free of differing effects of age, race, and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 5-year period. However, the user should not compare an adjusted death rate with an unadjusted death rate. Also, adjusted rates for different time periods cannot be directly compared unless they were adjusted by the same standard population. The adjusted rates are depicted in the Series B maps (e.g., Figures 2.B., 3.B., etc.) printed in red.

For the maps, a clustering routine* from the Statistical Analysis System (SAS) was used to group counties that are "most like each other" with respect to their unadjusted rate and then their adjusted rate (1). These maps show six levels of death rates, where level one is the lowest rate interval and level six the highest.

*In 1983 the State Center for Health Statistics conducted an evaluation of several clustering methods. It was found that one method, called "Average Linkage Method," produced tighter clusters (i.e., clusters with smaller within-cluster variances) than the other methods examined. Consequently, we plan to use this method henceforth to cluster county rates in all SCHS publications.

II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a five-year period, both the unadjusted rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's unadjusted rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

Relative Status Of		
Unadjusted Rate	Adjusted Rate	Diagnosis
Low	Low	Low mortality is not due to age, race, and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race, and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race, and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race, and sex factors; other mortality conditions are unfavorable.

In using adjusted rates, it is important that the user understand the reason for adjustment. The following hypothetical example illustrates. Here, A and B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

	County				State	
	Population	Deaths	Death Rate*		Population	Deaths
Population A	300,000	1,000	333.3	500,000	2,500	500.0
Population B	10,000	10	100.0	800,000	1,000	125.0
Total	310,000	1,010	325.8	1,300,000	3,500	269.2

*Deaths per 100,000 population.

Compared to the state, county subgroups A and B both have lower rates, but the county as a whole (A and B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A and B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate—BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state rate; this information is needed in determining manpower and facility needs, etc. But in assessing "risk," the researcher needs to adjust for confounding factors such as age or race. To do this, one multiplies each population-specific county rate by the corresponding "standard" population, sums these results, and divides by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{(1000/300,000 \times 500,000) + (10/10,000 \times 800,000)}{1,300,000} = 0.001897 \text{ or } 189.7 \text{ per } 100,000 \text{ population}$$

Thus, as rates specific for A and B imply, the county's rate is lower than the state's rate after adjustment for the factor represented by A and B.

Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of rates based on small numbers of deaths since, in such cases, random fluctuation in the rate may render rate comparisons risky. The reader should read very carefully the next section entitled "Flagging Biased Rates."

III. FLAGGING BIASED RATES

The age-race-sex adjusted rates in this publication that have been determined to be biased are flagged with an asterisk to suggest caution in their use. A complete description of the rationale and method for flagging biased rates can be found in the 1981 *Leading Causes of Mortality*. A short summary is provided below.

Any rate with a small number of events (deaths) in the numerator will have substantial random variability over time, or a large standard error. A useful rule of thumb is that any rate based on fewer than 20 events in the numerator may involve serious random error and should be used very cautiously in making comparisons or assessing trends (2). Many of the rates in this volume do have numerators smaller than 20.

In addition to the problem of a large standard error, the age-race-sex-adjusted rates in this volume may be biased due to one or more deaths in a small age-race-sex population group. One death out of an estimated population of 5, for example, would produce a death rate of 20,000 per 100,000 population. If this rate were applied to the appropriate age-race-sex group of the standard population, a very large number of expected deaths would result and the adjusted rate would be biased. In this volume an adjusted rate is flagged if: a) applying the age-race-sex-specific rates of a county for a given cause to the standard population results in more than 25 percent of the total expected deaths being generated by one cell, and b) the denominator of the rate is also less than 50 (an average of 10 per year). These criteria will catch only the worst problems. Only thirty-three out of a total of 2500 county adjusted rates in this volume are flagged by this method.

In addition to putting asterisks by those 1981-85 adjusted rates with a large bias due to an extremely high age-race-sex-specific rate, the rates have been recomputed by substituting the appropriate North Carolina age-race-sex-cause-specific rate in the problem cell. The table on the next page compares the flagged rates with the rates where the state rate has been substituted. The reader who must use one of these flagged rates is advised to use the rate in this table with the substitution instead. If the latter rate is clearly out of line with the North Carolina rate in the last column, the rate should be treated as missing data.



**1981-85 Age-Race-Sex Adjusted Death Rates:
Flagged Rates and Rate after Substitution
of State Rate in Problem Cell**

County	Cause	Problem Cell	Numerator	Denominator	Flagged Rate	Adjusted Rate With Substitution	N.C. Rate For Cause
Alexander	Hypertension	NW/F 85+	1	46	7.86	5.37	3.96
Alleghany	Stroke	NWM 75-84	2	18	86.39	63.62	75.45
Alleghany	Stomach Cancer	NWM 75-84	1	18	13.82	1.40	4.65
Alleghany	Lung Cancer	NWM 55-64	1	42	73.42	57.39	46.22
Ashe	Colon Cancer	NWM 75-84	1	28	17.83	10.14	18.27
Avery	Stroke	NWM 75-84	1	17	46.15	35.27	75.45
Avery	Chronic Lung Disease	NWM 75-84	1	17	45.84	32.97	24.01
Avery	Other Accidents	NWM 85+	1	0	74.88	16.92	23.51
Graham	Stroke	NWM 65-74	1	36	54.03	41.41	75.45
Haywood	Leukemia	NW/F 85+	1	32	9.67	5.99	6.48
Macon	Prostate Cancer	NWM 75-84	1	29	36.97	23.89	22.05
Madison	Other Heart Disease	NW/F 85+	2	33	75.76	55.35	82.61
Madison	Stroke	NWM 55-64	1	38	76.02	57.24	75.45
Madison	Atherosclerosis	NW/F 85+	1	17	11.83	5.20	8.97
Madison	Diabetes	NWM 75-84	1	8	39.74	11.69	13.69
Madison	Chronic Lung Disease	NWM 65-74	1	25	37.46	16.27	24.01
Mitchell	Pancreatic Cancer	NWM 75-84	1	20	20.59	9.45	9.27
Mitchell	Other Accidents	NWM 65-74	1	18	49.37	19.29	23.51
Swain	Stomach Cancer	NW/F 85+	1	20	7.20	4.36	4.65
Transylvania	Diabetes	NWM 75-84	1	47	16.51	12.04	13.69
Tyrrell	Prostate Cancer	NWM 85+	1	16	22.76	16.46	22.05
Watauga	Atherosclerosis	NWM 85+	1	7	11.36	3.30	8.97
Yancey	Stroke	NW/F 85+	1	5	69.35	47.67	75.45
Yancey	Breast Cancer	NW/F 55-64	1	48	68.66	28.80	28.37
Yancey	Other Accidents	NW/F 65-74	1	34	45.53	22.92	23.51

IV. NORTH CAROLINA MORTALITY HIGHLIGHTS

In the 1981 *Leading Causes of Mortality* extensive analyses of North Carolina's mortality experience were presented. That volume contained statistical tables, maps, and graphs as well as cause-specific discussions of trends, geographic patterns, risk factors, and recent research. We do not expect that the general mortality picture has changed very much in four years. Thus in this section, we will highlight 1985 unadjusted death rates for selected causes and the changes in rates from 1981 through 1985. The reader should consult the 1981 volume for a detailed discussion of each cause.

- As shown in Table 1, a total of 53,018 North Carolinians died in 1985, a rate of 8.47 deaths per 1,000 population. The 1985 crude death rate was 2.4 percent above the 1984 rate and 5 percent above the 1983 death rate.
- The median age at death was 72.1 years, consistent with a secular increase in the median during the last 25 years. The median age at death for whites was 74 years compared to 68.5 for nonwhites.
- The ten leading causes of death are heart disease, cancer, cerebrovascular disease, accidents, pneumonia and influenza, chronic obstructive pulmonary disease, diabetes, suicide, nephritis/nephrotic syndrome/nephrosis, and chronic liver disease/cirrhosis.
- Cause-specific death rates for acute myocardial infarction, other forms of ischemic heart disease, cancer, and pneumonia and influenza changed 3 percent or more between 1984 and 1985. Acute myocardial infarction rates declined by 8 percent in the one year period and 11 percent in the 1981-85 period. Other forms of ischemic heart disease increased by 7.8 percent between 1984 and 1985 and 12.5 percent between 1982 and 1985. Cancer death rates displayed consistent increases of 1-2 percent yearly between 1980 and 1984 with an increase of 3.4 percent between 1984 and 1985. Overall, cancer death rates have increased 7 percent in the 1981-1985 period. Pneumonia and influenza death rates have increased 22 percent in the last year and 43 percent between 1982 and 1985.
- Among the nine site-specific cancers presented in this volume, cancer of the colon, rectum, and anus increased by 9.5 percent; and cancer of the trachea, bronchus, and lung increased by 4 percent between 1984 and 1985. Breast cancer mortality rates have increased each year since 1981 with the largest percentage increase of 12 percent in the 1984-85 period and a 25 percent increase between 1981 to 1985. Other site specific cancer death rates for young and middle-aged women such as lung, ovary, and cervix uteri have remained relatively constant during the last three years.
- Homicide death rates ended a consecutive 5 year decline in the decade with an upturn in the rate from 8.48 to 9.01 between 1984 and 1985.
- The rate of suicide deaths continued to fluctuate between 1984 and 1985 with a 5 percent decline. The rate has alternated for each year since 1982 with a 7.5 percent decline between 1982 and 1983, and an 8 percent increase from 1983 to 1984.
- The total infant mortality rate for the state declined for the fifth consecutive year in the decade from 12.5 per 1,000 live births in 1984 to 12.0 in 1985. White infant mortality rates declined by 5 percent from 10.0 to 9.5 during this period and nonwhite infant mortality rates declined by 3.8 percent. Improvement in white neonatal mortality rates from 6.8 per 1,000 live births to 6.2 contributed entirely to the overall improvement in the white infant mortality rate, with white postneonatal rates showing a slight upturn between 1984 and 1985. Conversely, nonwhite postneonatal rates improved from 6.7 in 1984 to 5.6 in 1985 and neonatal rates registered a slight upturn during the period.

TABLE 1
MORTALITY STATISTICS FOR 1985 AND 1981-85
NORTH CAROLINA RESIDENTS

Cause of Death - Ninth Revision International Classification of Diseases	Number of deaths 1985	Death Rate* 1985	Death Rate* 1981-85
All Causes	51,018	8.47	8.26
Diseases of Heart	19,069	304.91	304.70
Acute Myocardial Infarction	7,521	120.25	130.48
Other Forms of Ischemic Heart Disease	5,480	87.62	82.61
Hypertension with or without Renal Disease	231	3.69	3.96
Cerebrovascular Disease	4,633	74.08	75.45
Atherosclerosis	529	8.45	8.97
Cancer	11,159	178.43	171.45
Stomach	280	4.47	4.65
Colon, Rectum, and Anus	1,215	19.47	18.36
Pancreas	593	9.48	
Trachea, Bronchus, and Lung	3,105	49.64	46.22
Female Breast	1,042	32.44	28.37
Cervix Uteri	161	5.01	4.96
Ovary and other Uterine Adnexa	288	8.96	8.15
Prostate	679	22.32	22.05
Leukemia	394	6.30	6.48
Diabetes Mellitus	869	13.89	13.69
Pneumonia and Influenza	1,767	28.25	23.61
Chronic Obstructive Pulmonary Disease and Allied Conditions	1,675	26.78	24.01
Chronic Liver Disease and Cirrhosis	567	9.06	9.77
Nephritis, Nephrotic Syndrome, & Nephrosis	619	9.89	8.94
Motor Vehicle Accidents	1,513	24.19	23.50
All Other Accidents and Adverse Effects	1,454	23.24	23.51
Suicide	790	12.63	12.87
Homicide	564	9.01	9.52

*See Section I.

V. TABLES AND FIGURES:
MORTALITY STATISTICS
FOR 1981-85

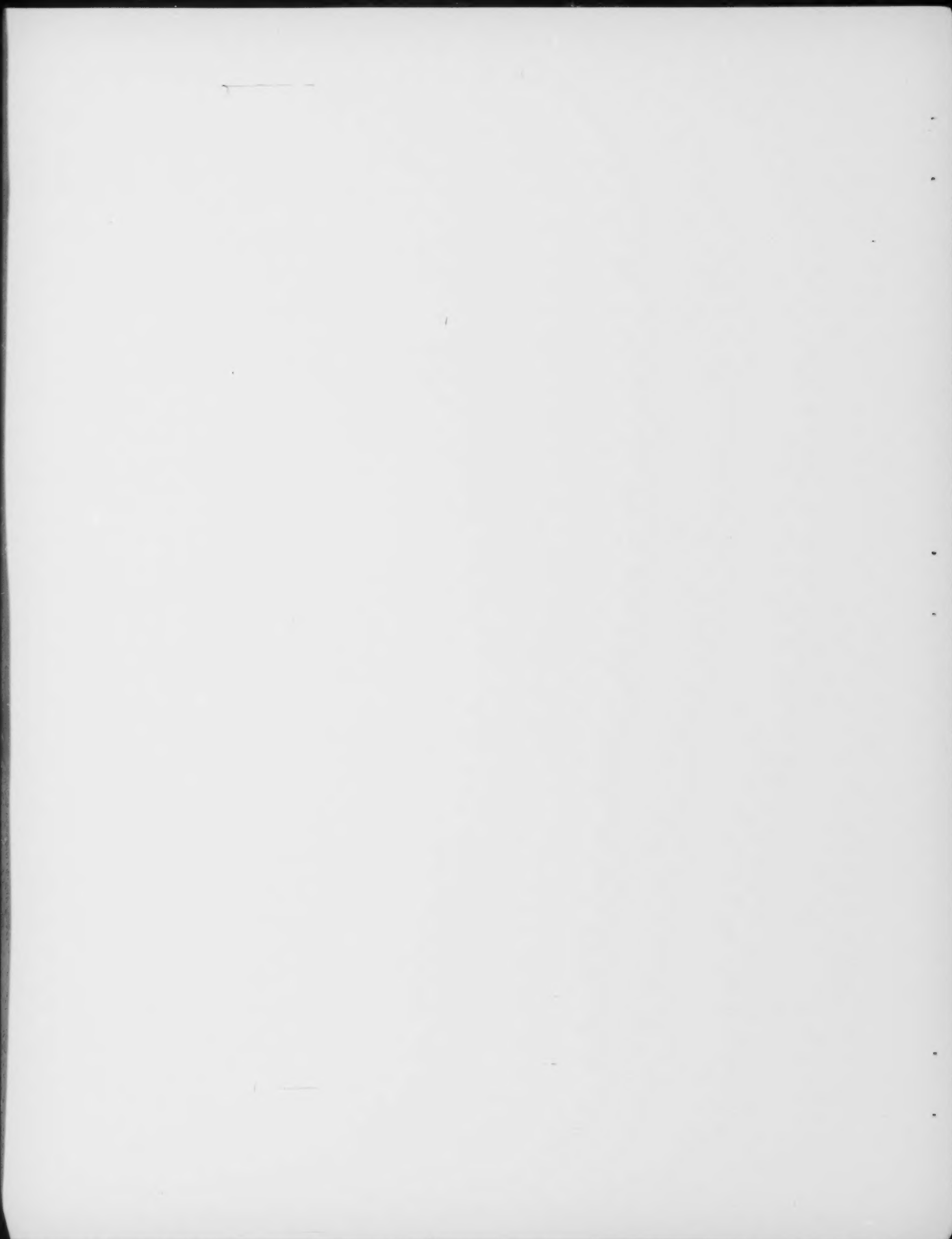


TABLE 2
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
TOTAL DEATHS (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	53018	8.47	251985	8.26	8.26
REGIONS					
DHR I WESTERN	18396	8.58	87415	8.37	8.02
DHR II N. CENTRAL	11408	8.65	54981	8.49	8.13
DHR III S. CENTRAL	11274	7.70	53145	7.50	8.49
DHR IV EASTERN	11940	8.98	56444	8.70	8.81
HSA I WESTERN	9734	9.07	46353	8.82	7.92
HSA II PIEDMONT	9908	8.51	47531	8.30	8.12
HSA III S. PIEDMONT	8662	8.08	41062	7.90	8.13
HSA IV CAPITAL	7145	7.89	33227	7.69	8.22
HSA V CARDINAL	7747	8.17	37317	8.04	8.80
HSA VI EASTERN	9822	8.97	46495	8.68	8.84
COUNTIES					
1 ALAMANCE	944	9.23	4669	9.25	8.26
2 ALEXANDER	176	6.61	931	7.12	7.96
3 ALLEGHANY	114	11.76	490	10.00	7.65
4 ANSON	256	9.75	1321	10.18	8.45
5 ASHE	219	9.34	1106	9.58	8.29
6 AVERY	125	8.33	620	8.32	8.84
7 BEAUFORT	471	10.88	2148	10.16	8.94
8 BERTIE	245	11.48	1152	10.79	9.12
9 BLADEN	282	9.17	1433	9.33	9.05
10 BRUNSWICK	372	8.16	1679	8.13	7.95
11 BUNCOMBE	1714	10.18	8235	9.99	8.18
12 BURKE	631	8.35	2783	7.49	7.85
13 CABARRUS	804	8.73	4012	8.89	8.35
14 CALDWELL	526	7.48	2526	7.37	8.14
15 CAMDEN	64	11.00	281	9.73	8.95
16 CARTERET	445	9.13	2075	9.08	8.61
17 CASWELL	189	8.42	888	8.20	7.81
18 CATAWBA	929	8.25	4276	7.80	8.38
19 CHATHAM	327	9.24	1559	8.98	7.95
20 CHEROKEE	190	9.40	896	9.10	6.80
21 CHOWAN	157	11.93	717	11.19	8.46
22 CLAY	81	11.52	371	10.60	7.27
23 CLEVELAND	768	8.91	3779	8.96	8.58
24 COLUMBUS	530	10.17	2516	9.70	9.28
25 CRAVEN	538	6.76	2578	6.84	8.60
26 CUMPERLAND	1434	5.59	6656	5.26	9.27
27 CURRITUCK	130	10.08	568	9.26	8.96
28 DARE	146	8.46	641	8.17	7.35
29 DAVIDSON	961	8.11	4459	7.70	8.10
30 DAVIE	227	8.20	993	7.33	7.60
31 DUPLIN	453	10.89	2100	10.16	9.11
32 DURHAM	1426	8.82	6667	8.43	8.38
33 EDGECOMBE	536	9.17	2733	9.55	9.26
34 FORSYTH	2140	8.27	10436	8.27	8.01
35 FRANKLIN	299	9.12	1525	9.71	7.94
36 GASTON	1483	8.63	6882	8.22	8.59
37 GATES	109	11.61	478	10.43	7.97
38 GRAHAM	66	9.18	296	8.32	8.02
39 GRANVILLE	336	9.16	1701	9.52	8.61
40 GREENE	151	9.14	702	8.59	9.19
41 GUILFORD	2802	8.58	13339	8.27	8.20

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
TOTAL DEATHS (PER 1000 POPULATION) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	607	10.84	3004	10.78	8.87
43 HARNETT	506	8.03	2739	8.87	9.36
44 HAYWOOD	497	10.37	2314	9.79	7.94
45 HENDERSON	741	11.19	3273	10.32	7.50
46 HERTFORD	254	10.61	1180	9.93	8.10
47 Hoke	147	6.53	718	6.51	7.75
48 HYDE	61	10.21	314	10.53	8.34
49 IREDELL	773	8.85	3752	8.77	8.15
50 JACKSON	217	8.04	1016	7.56	7.31
51 JOHNSTON	694	9.03	3395	9.19	8.99
52 JONES	92	9.41	411	8.41	7.59
53 LEE	414	10.21	1754	9.09	9.23
54 LENOIR	620	10.25	2936	9.73	9.39
55 LINCOLN	391	8.56	1658	7.54	7.99
56 McDOWELL	317	8.73	1475	8.16	7.45
57 MACON	249	10.79	1139	10.26	7.96
58 MADISON	178	10.35	838	9.72	7.31
59 MARTIN	283	10.61	1296	9.79	8.73
60 MECKLENBURG	3204	7.24	15094	7.09	7.97
61 MITCHELL	151	10.37	773	10.74	6.80
62 MONTGOMERY	224	9.42	1100	9.45	8.37
63 MOORE	568	10.36	2767	10.45	8.14
64 NASC	701	9.90	3297	9.47	9.27
65 NEW HANOVER	992	8.85	4659	8.56	8.82
66 NORTHAMPTON	259	11.58	1253	11.16	8.70
67 ONSLOW	519	4.23	2423	4.12	8.31
68 ORANGE	508	6.16	2322	5.81	7.54
69 PAMLICO	104	9.47	531	9.91	8.02
70 PASQUOTANK	262	8.92	1338	9.29	8.26
71 PENDER	224	9.17	1095	9.37	8.38
72 PERQUIMANS	102	9.90	471	9.58	6.73
73 PERSON	250	8.26	1289	8.62	7.80
74 PITT	789	8.23	3743	7.94	9.18
75 POLK	173	12.02	873	12.50	7.63
76 RANDOLPH	736	7.56	3516	7.41	7.99
77 RICHMOND	449	9.72	2209	9.67	8.77
78 ROBESON	933	8.79	4461	8.53	9.26
79 ROCKINGHAM	778	9.11	3883	9.13	8.59
80 ROWAN	1022	9.87	4933	9.71	8.02
81 RUTHERFORD	491	8.62	2645	9.50	8.00
82 SAMPSON	521	10.34	2542	10.15	9.07
83 SCOTLAND	309	9.19	1422	8.53	9.53
84 STANLY	435	8.66	2182	8.88	8.01
85 STOKES	280	7.92	1303	7.50	8.05
86 SURRY	559	9.18	2805	9.29	8.28
87 SWAIN	143	13.36	677	12.79	9.98
88 TRANSYLVANIA	208	8.13	969	7.86	6.87
89 TYRRELL	45	10.90	224	10.77	8.98
90 UNION	550	7.04	2549	6.80	7.81
91 VANCE	423	11.03	1953	10.41	9.12
92 WAKE	2276	6.43	10080	6.14	7.97
93 WARREN	192	11.70	982	12.01	8.73
94 WASHINGTON	141	9.70	662	9.12	9.20
95 WATAUGA	203	5.94	983	5.85	6.12
96 WAYNE	889	9.01	4169	8.50	9.51
97 WILKES	479	7.87	2390	7.96	8.06
98 WILSON	649	10.08	3070	9.59	9.60
99 YADKIN	292	9.94	1240	8.48	7.42
100 YANCEY	148	9.50	679	8.88	7.21

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

GENERAL MORTALITY

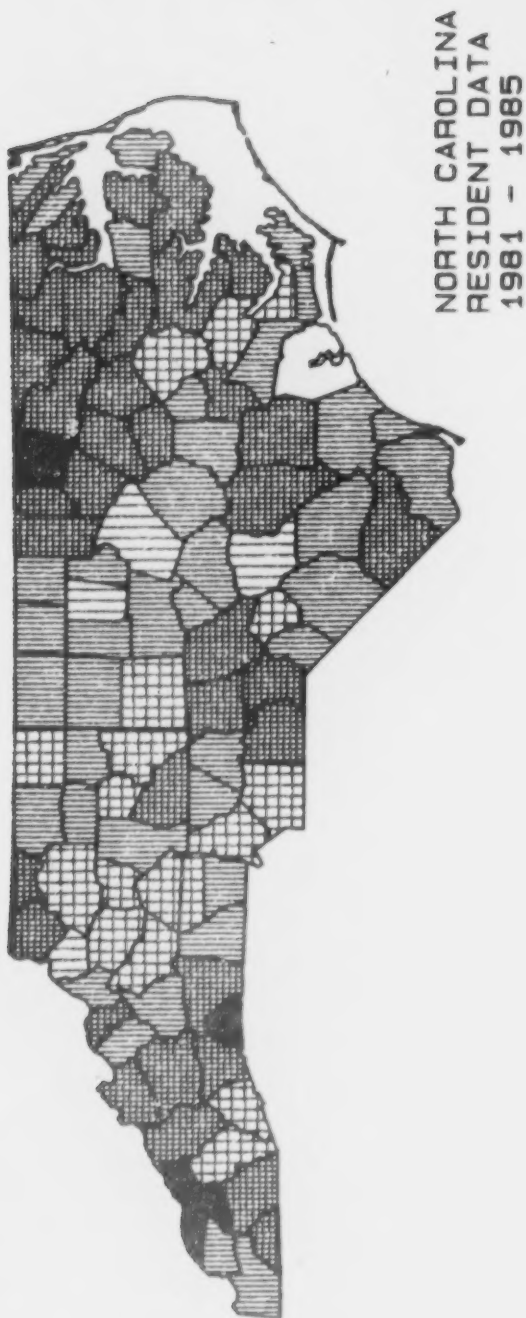
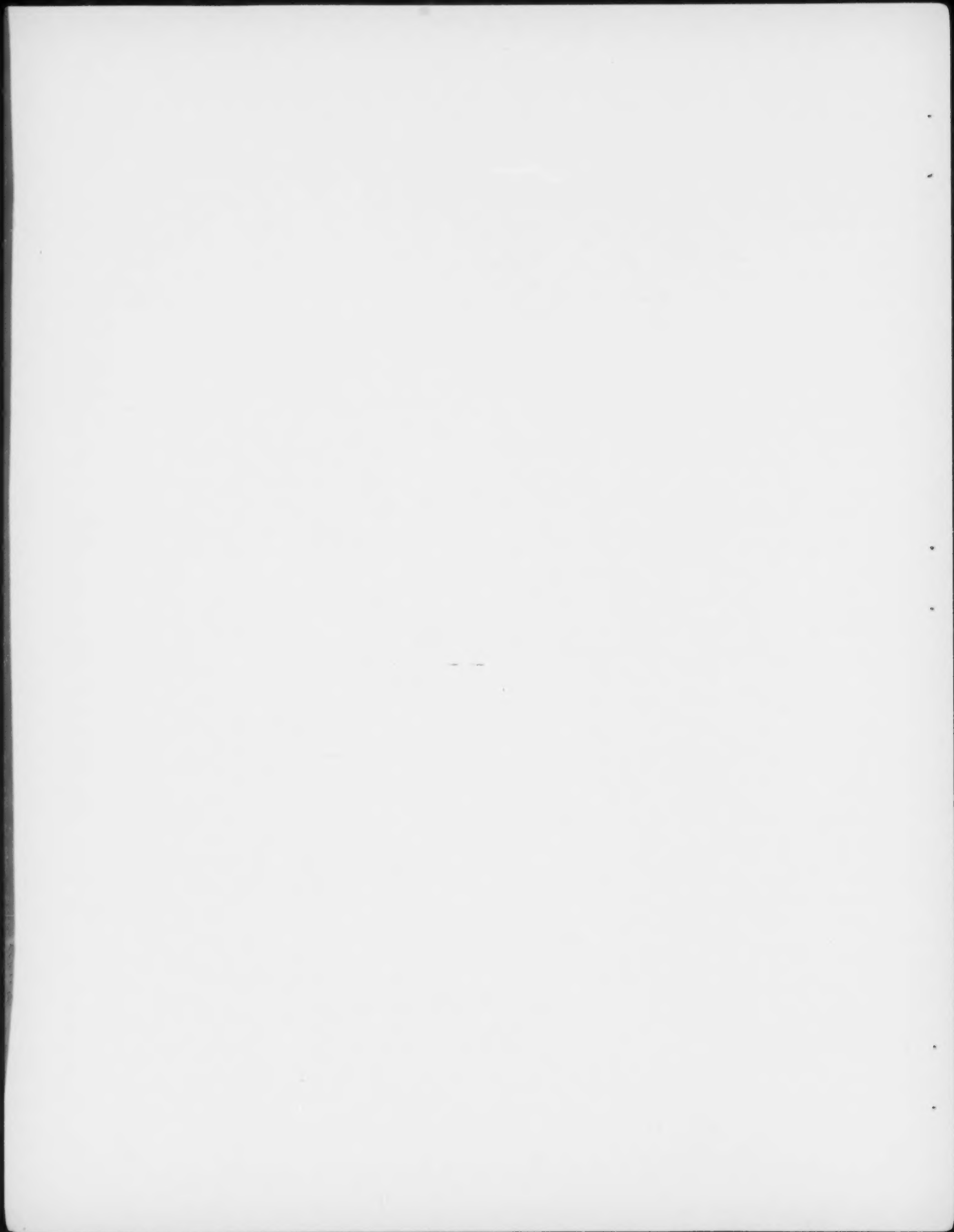
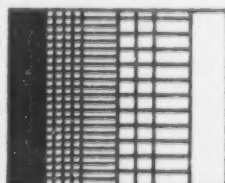


FIGURE 2.A

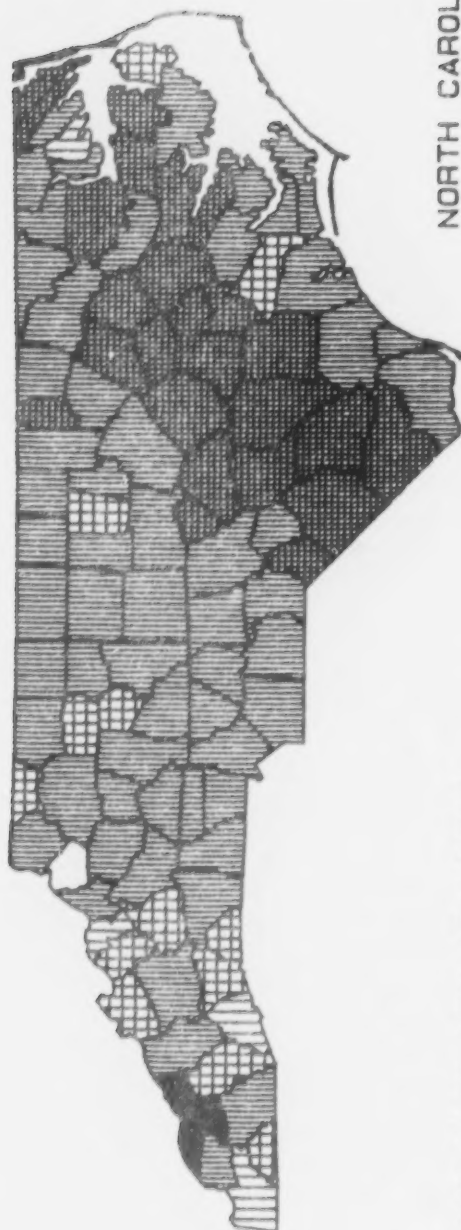


GENERAL MORTALITY

MORTALITY RATES PER
1000 POPULATION



9.61 to 9.99
8.88 to 9.61
7.66 to 8.88
6.88 to 7.66
6.13 to 6.88
6.11 to 6.13



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 2.B

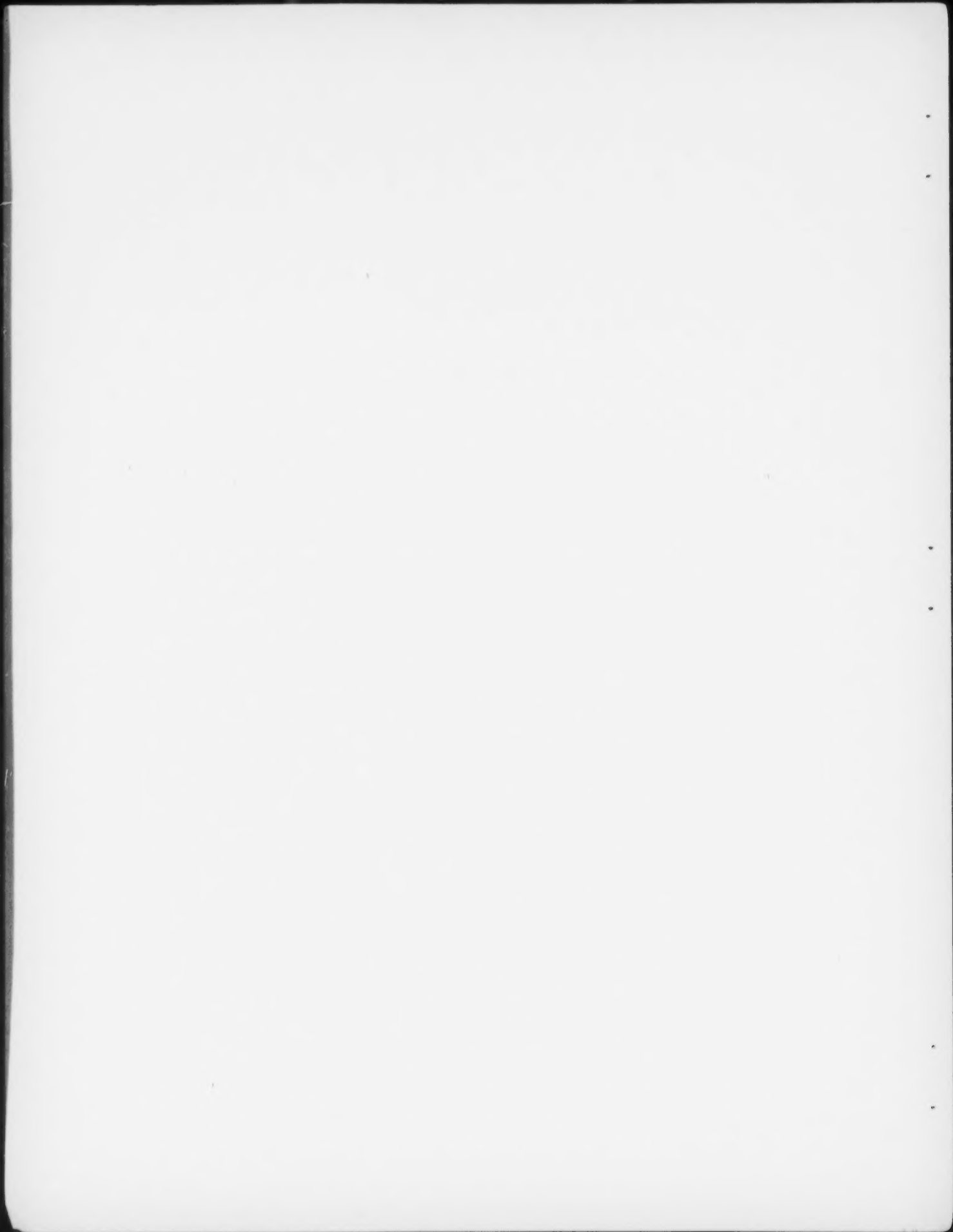


TABLE 3
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
DISEASES OF HEART

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	19069	304.91	92870	304.70	304.70
REGIONS					
DHR I WESTERN	6733	314.14	33087	316.81	295.57
DHR II N. CENTRAL	4117	312.27	20455	315.89	299.72
DHR III S. CENTRAL	3992	272.70	18774	265.19	310.46
DHR IV EASTERN	4227	318.19	20554	317.14	329.47
HSA I WESTERN	3658	341.13	18031	343.32	292.54
HSA II PIEDMONT	3587	308.16	17591	307.48	297.39
HSA III S. PIEDMONT	3075	287.12	15056	290.00	296.91
HSA IV CAPITAL	2515	277.89	11856	274.53	299.91
HSA V CARDINAL	2787	294.19	13493	290.72	328.88
HSA VI EASTERN	3447	314.97	16843	314.54	330.09
COUNTIES					
1 ALAMANCE	347	339.34	1756	348.01	302.84
2 ALEXANDER	65	244.18	356	272.47	298.22
3 ALLEGHANY	36	371.44	162	330.74	223.09
4 ANSON	100	381.17	507	390.93	315.75
5 ASHE	91	388.50	480	415.95	305.99
6 AVERY	58	386.76	264	354.69	358.55
7 BEAUFORT	171	395.28	792	374.76	327.73
8 BERTIE	94	440.46	419	392.75	322.85
9 BLADEN	120	390.39	554	360.70	358.75
10 BRUNSWICK	139	305.12	645	312.64	303.48
11 BUNCOMBE	592	351.79	2974	360.79	278.74
12 BURKE	269	356.06	1143	307.72	315.86
13 CABARRUS	277	300.87	1487	329.80	299.39
14 CALDWELL	190	270.48	938	273.76	306.56
15 CAMDEN	19	326.79	97	335.94	296.53
16 CARTERET	174	357.04	828	362.69	340.07
17 CASWELL	66	294.07	316	291.83	281.03
18 CATAWBA	332	294.84	1655	302.18	314.56
19 CHATHAM	127	359.13	582	335.58	294.56
20 CHEROKEE	77	381.05	367	372.89	251.46
21 CHOWAN	44	334.39	226	352.77	259.21
22 CLAY	31	441.21	161	460.28	265.56
23 CLEVELAND	320	371.39	1593	377.79	355.56
24 COLUMBUS	219	420.55	1034	398.90	380.89
25 CRAVEN	182	228.99	877	232.92	310.51
26 CUMBERLAND	452	176.50	2107	166.70	338.66
27 CURRITUCK	36	279.19	221	360.57	346.88
28 DARE	54	313.17	225	287.07	246.65
29 DAVIDSON	365	308.06	1714	296.11	308.14
30 DAVIE	88	317.93	368	271.80	278.62
31 DUPLIN	156	375.10	792	383.29	351.56
32 DURHAM	516	319.25	2301	291.17	295.03
33 EDGEcombe	173	296.17	932	325.83	329.21
34 FORSYTH	735	284.31	3899	309.00	298.17
35 FRANKLIN	114	347.80	613	390.31	313.19
36 GASTON	624	363.29	2809	335.64	349.49
37 GATES	36	383.75	185	403.76	295.81
38 GRAHAM	23	319.93	113	317.71	308.28
39 GRANVILLE	107	291.84	633	354.45	330.32
40 GREENE	61	369.58	269	329.31	376.84
41 GUILFORD	975	298.61	4711	292.34	289.05

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
DISEASES OF HEART CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	228	407.42	1136	407.98	346.37
43 HARNETT	194	307.93	1062	344.10	366.43
44 HAYWOOD	193	402.88	970	410.66	321.11
45 HENDERSON	270	407.94	1228	387.56	249.21
46 HERTFORD	91	380.37	434	382.41	312.68
47 HOKE	62	275.49	244	221.45	283.50
48 HYDE	19	318.31	111	372.57	291.93
49 IREDELL	272	311.74	1378	322.34	292.73
50 JACKSON	80	296.65	395	294.11	272.63
51 JOHNSTON	292	380.12	1366	369.94	358.88
52 JONES	34	348.00	136	278.28	248.27
53 LEE	162	399.52	642	332.97	337.46
54 LENOIR	235	388.54	1094	362.79	356.38
55 LINCOLN	133	291.36	613	279.13	286.69
56 MCDOWELL	119	327.99	609	337.17	290.98
57 MACON	104	450.76	452	407.34	317.87
58 MADISON	63	366.47	310	359.83	246.55
59 MARTIN	103	386.44	477	360.44	330.10
60 MECKLENBURG	1016	229.60	5102	239.67	275.96
61 MITCHELL	54	370.90	267	371.02	212.79
62 MONTGOMERY	81	340.86	415	356.80	309.44
63 MOORE	197	359.51	990	373.90	279.53
64 NASH	256	361.62	1222	351.21	350.29
65 NEW HANOVER	339	302.60	1658	304.89	315.83
66 NORTHAMPTON	81	362.25	447	396.32	308.16
67 ONSLOW	137	111.83	712	121.07	287.56
68 ORANGE	162	196.46	755	189.15	251.46
69 PAMLICO	35	318.87	189	353.06	273.24
70 PASQUOTANK	110	374.71	511	355.11	315.15
71 PENDER	83	339.84	374	320.21	292.41
72 PERQUIMANS	39	378.71	173	352.21	244.88
73 PERSON	89	294.18	539	360.46	325.21
74 PITT	280	292.08	1334	283.04	344.23
75 POLK	56	389.21	322	461.15	251.03
76 RANDOLPH	273	280.76	1314	277.03	287.12
77 RICHMOND	151	327.19	826	361.80	326.64
78 ROBESON	330	311.24	1571	300.53	334.17
79 ROCKINGHAM	296	346.92	1463	344.29	320.69
80 ROWAN	362	349.93	1811	356.63	283.69
81 RUTHERFORD	184	323.14	1055	379.03	305.41
82 SAMPSON	212	421.13	991	395.78	352.01
83 SCOTLAND	108	321.39	515	309.26	360.09
84 STANLY	176	350.73	890	362.26	314.13
85 STOKES	113	319.70	482	277.73	300.98
86 SURRY	214	351.81	1105	366.24	304.56
87 SWAIN	64	598.18	273	515.81	373.33
88 TRANSYLVANIA	76	297.09	355	288.02	250.46
89 TYRRELL	25	605.76	100	481.13	389.59
90 UNION	215	275.22	966	257.88	297.83
91 VANCE	155	404.48	738	393.60	350.86
92 WAKE	726	205.20	3346	204.10	275.09
93 WARREN	65	396.36	341	417.34	321.53
94 WASHINGTON	47	323.49	245	337.58	348.21
95 WATAUGA	78	228.25	386	230.02	239.52
96 WAYNE	319	323.40	1615	329.48	386.65
97 WILKES	184	302.62	986	328.55	326.44
98 WILSON	208	323.23	1024	320.16	330.13
99 YADKIN	115	391.62	463	316.81	260.52
100 YANCEY	49	314.60	217	283.96	192.55

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

DISEASES OF THE HEART

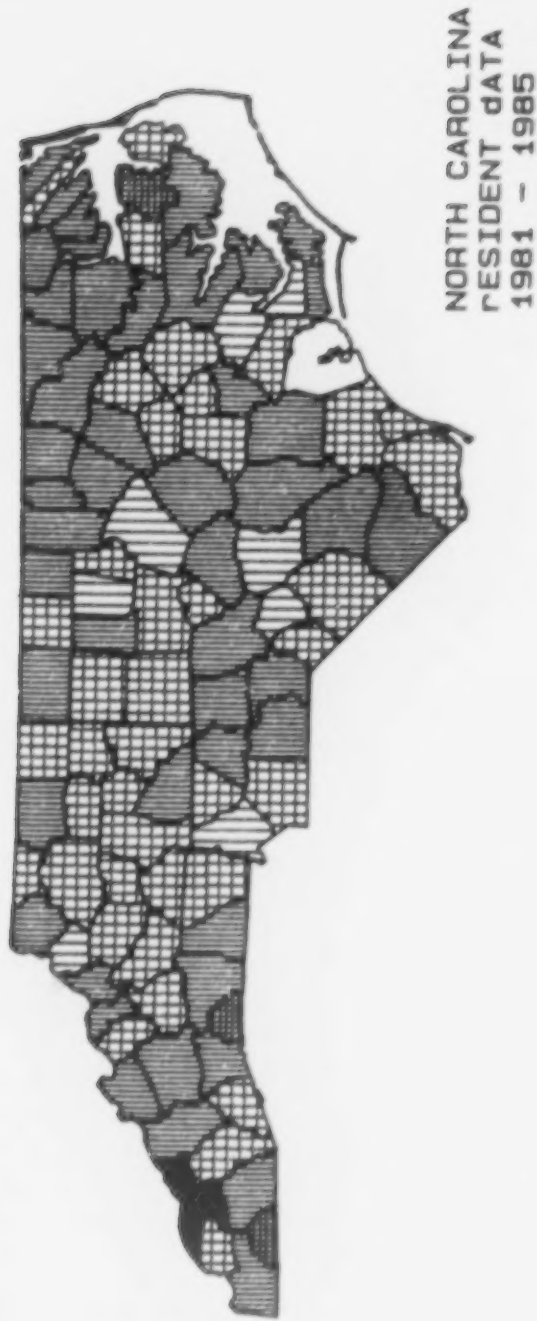
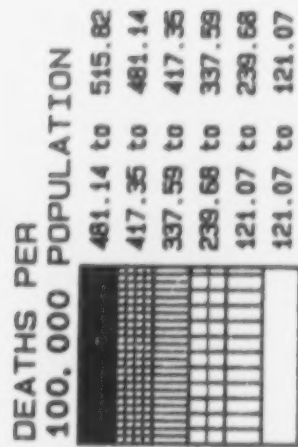
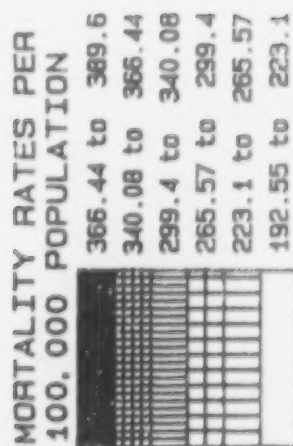


FIGURE 3.A



DISEASES OF THE HEART



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 3.B



TABLE 4
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	7521	120.25	39770	130.48	130.48
REGIONS					
DHR I WESTERN	2743	127.98	14595	139.75	127.04
DHR II N. CENTRAL	1718	130.31	9006	139.08	131.65
DHR III S. CENTRAL	1493	101.99	7751	109.48	129.58
DHR IV EASTERN	1567	117.95	8418	129.89	137.15
HSA I WESTERN	1535	143.14	7934	151.07	126.44
HSA II PIEDMONT	1508	129.55	7773	135.86	129.63
HSA III S. PIEDMONT	1208	112.79	6661	128.30	128.78
HSA IV CAPITAL	857	94.69	4515	104.54	115.95
HSA V CARDINAL	1107	116.85	6054	130.44	148.17
HSA VI EASTERN	1306	119.33	6833	127.60	136.91
COUNTIES					
1 ALAMANCE	142	138.86	755	149.63	128.06
2 ALEXANDER	34	127.72	187	143.12	157.86
3 ALLEGHANY	19	196.03	81	165.37	109.73
4 ANSON	52	198.20	283	218.21	178.72
5 ASHE	43	183.58	200	173.31	144.50
6 AVERY	28	186.71	143	192.12	223.94
7 BEAUFORT	48	110.95	282	133.43	119.72
8 BERTIE	51	238.97	228	213.71	181.58
9 BLADEN	57	185.43	290	188.81	190.41
10 BRUNSWICK	52	114.14	272	131.84	123.10
11 BUNCOMBE	221	131.32	1153	139.87	108.87
12 BURKE	130	172.07	572	153.99	151.00
13 CABARRUS	130	141.20	795	176.32	159.86
14 CALDWELL	100	142.35	438	127.83	132.49
15 CAMDEN	6	103.19	28	96.97	85.40
16 CARTERET	59	121.06	326	142.79	127.68
17 CASWELL	32	142.58	134	123.75	132.44
18 CATAWBA	163	144.75	855	156.11	157.72
19 CHATHAM	63	178.15	265	152.80	138.70
20 CHEROKEE	35	173.20	174	176.79	114.80
21 CHOWAN	17	129.19	100	156.09	117.41
22 CLAY	17	241.95	89	254.44	144.45
23 CLEVELAND	109	126.50	675	160.08	150.60
24 COLUMBUS	78	149.78	427	164.73	161.20
25 CRAVEN	62	78.00	326	86.58	114.05
26 CUMBERLAND	167	65.21	889	70.33	141.05
27 CURRITUCK	8	62.04	77	125.63	112.06
28 DARE	17	98.59	93	118.65	98.16
29 DAVIDSON	165	139.26	773	133.54	132.30
30 DAVIE	45	162.57	188	138.85	139.35
31 DUPLIN	66	158.69	378	182.93	172.29
32 DURHAM	157	97.13	821	103.89	110.39
33 EDGEcombe	66	112.99	390	136.34	146.85
34 FORSYTH	276	106.76	1631	129.26	126.24
35 FRANKLIN	48	146.44	301	191.65	155.41
36 GASTON	226	131.57	1307	156.17	156.57
37 GATES	12	127.91	76	165.87	126.95
38 GRAHAM	8	111.28	50	140.57	136.89
39 GRANVILLE	40	109.10	261	146.14	138.29
40 GREENE	30	181.76	104	127.31	148.84
41 GUILFORD	370	113.32	1925	119.45	118.43

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	97	173.33	495	177.77	167.52
43 HARNETT	67	106.34	392	127.01	135.52
44 HAYWOOD	92	192.04	483	204.48	156.13
45 HENDERSON	98	148.06	474	149.59	87.01
46 HERTFORD	45	188.09	215	181.09	140.73
47 HOKE	31	137.74	113	102.56	137.50
48 HYDE	9	150.77	57	191.32	161.17
49 IREDELL	122	139.82	671	156.96	140.60
50 JACKSON	40	148.32	192	142.96	134.60
51 JOHNSTON	95	123.67	428	115.91	109.57
52 JONES	13	133.06	53	108.45	100.74
53 LEE	56	138.10	269	139.51	141.85
54 LENOIR	89	147.15	466	154.53	154.15
55 LINCOLN	47	102.96	309	140.70	140.84
56 MCDOWELL	49	135.05	268	148.37	125.20
57 MACON	34	147.36	200	180.24	122.45
58 MADISON	29	168.69	126	146.25	91.09
59 MARTIN	37	158.82	171	129.21	125.12
60 MECKLENBURG	312	70.50	1644	77.22	90.07
61 MITCHELL	14	96.16	107	148.68	86.92
62 MONTGOMERY	42	176.74	229	196.88	171.26
63 MOORE	65	118.62	421	159.00	119.87
64 NASH	111	156.79	544	156.35	157.38
65 NEW HANOVER	100	89.26	706	129.82	133.49
66 NORTHAMPTON	33	147.58	191	170.19	146.23
67 ONSLOW	50	40.81	274	46.59	107.16
68 ORANGE	52	63.06	274	68.64	91.97
69 PAMLICO	13	118.44	61	113.95	90.92
70 PASQUOTANK	30	102.19	202	140.37	126.57
71 PENDER	31	126.92	180	154.11	136.30
72 PERQUIMANS	15	145.65	71	144.54	104.75
73 PERSON	35	115.69	192	128.40	116.83
74 PITT	83	86.58	480	101.84	132.32
75 POLK	19	132.05	117	167.56	94.46
76 RANDOLPH	125	128.55	662	139.57	140.62
77 RICHMOND	70	151.67	437	191.41	171.98
78 ROBESON	145	136.76	722	138.11	159.94
79 ROCKINGHAM	130	152.36	666	156.73	144.36
80 ROWAN	175	169.6	899	177.03	139.88
81 RUTHERFORD	79	138.74	424	152.33	121.94
82 SAMPSON	90	178.78	428	170.93	155.00
83 SCOTLAND	60	178.55	265	159.13	181.97
84 STANLY	83	165.40	489	199.04	171.16
85 STOKES	60	169.75	248	142.89	157.56
86 SURRY	103	169.33	562	186.27	143.41
87 SWAIN	19	177.58	107	202.16	152.34
88 TRANSYLVANIA	27	105.54	150	121.70	101.80
89 TYRRELL	12	290.76	44	211.70	174.98
90 UNION	113	144.65	547	146.03	168.27
91 VANCE	61	159.18	318	169.60	149.00
92 WAKE	224	63.31	1225	74.72	100.28
93 WARREN	26	158.54	161	197.04	164.67
94 WASHINGTON	9	61.94	63	86.80	90.94
95 WATAUGA	27	79.00	172	102.49	108.40
96 WAYNE	128	129.76	622	126.89	152.71
97 WILKES	80	131.57	399	132.95	132.21
98 WILSON	90	139.86	416	130.06	139.82
99 YADKIN	60	204.32	229	156.69	121.43
100 YANCEY	21	134.83	98	126.24	78.05

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

ACUTE MYOCARDIAL INFARCTION

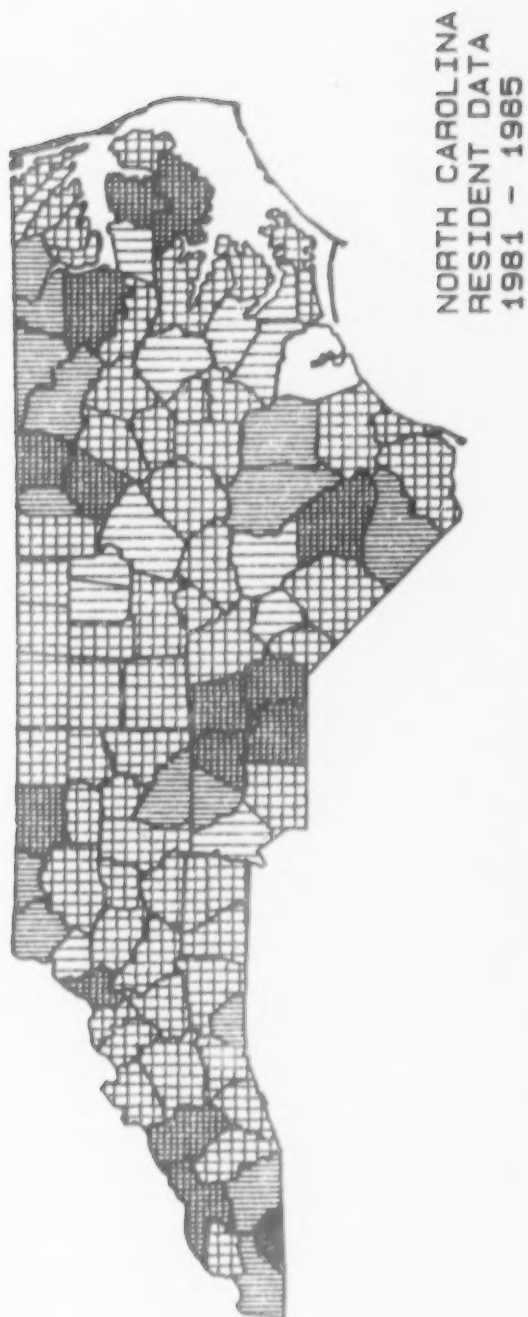
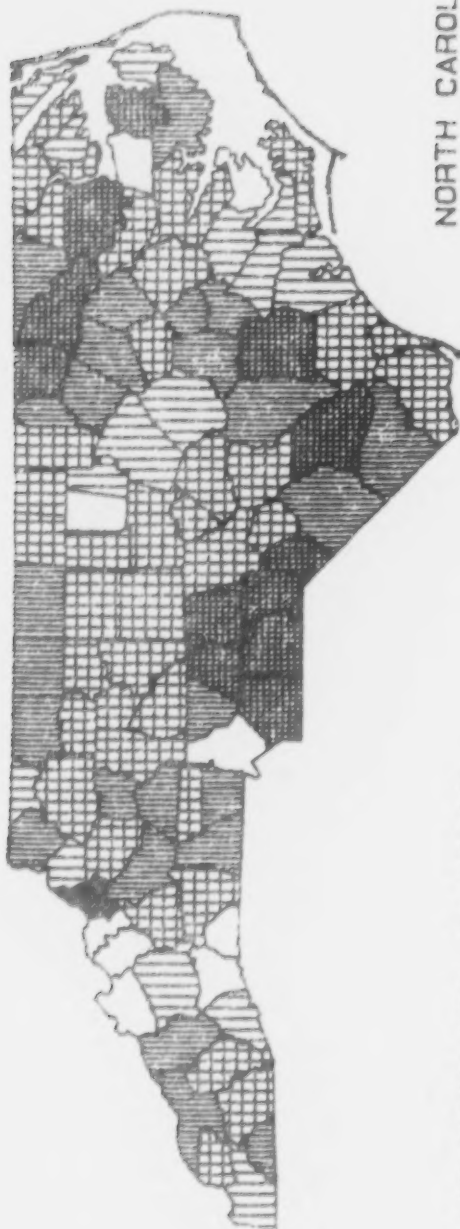
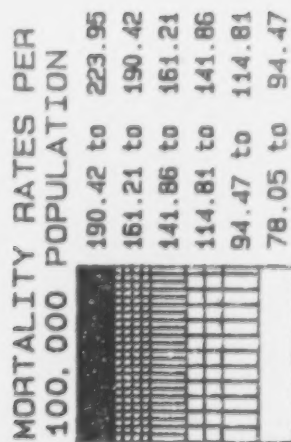


FIGURE 4.A



ACUTE MYOCARDIAL INFARCTION



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 4.B



TABLE 5
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
OTHER FORMS OF ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	5480	87.62	25180	82.61	82.61
REGIONS					
DHR I WESTERN	1937	90.37	8848	84.72	78.79
DHR II N. CENTRAL	1163	88.21	5575	86.09	81.40
DHR III S. CENTRAL	1193	81.49	5307	74.96	89.90
DHR IV EASTERN	1187	89.35	5450	84.09	88.30
HSA I WESTERN	986	91.95	4688	89.26	74.02
HSA II PIEDMONT	1054	90.55	5073	88.67	85.54
HSA III S. PIEDMONT	951	88.79	4160	80.12	82.32
HSA IV CAPITAL	717	79.22	3218	74.51	82.65
HSA V CARDINAL	819	86.45	3548	76.44	89.13
HSA VI EASTERN	953	87.08	4493	83.90	89.14
COUNTIES					
1 ALAMANCE	121	118.33	618	122.47	107.99
2 ALEXANDER	22	82.64	89	68.11	73.87
3 ALLEGHANY	7	72.22	34	69.41	37.47
4 ANSON	26	99.10	103	79.42	66.07
5 ASHE	20	85.38	127	110.05	63.05
6 AVERY	6	40.01	44	59.11	50.34
7 BEAUFORT	51	117.89	228	107.88	96.62
8 BERTIE	18	84.34	54	50.61	48.18
9 BLADEN	36	117.11	125	81.38	81.51
10 BRUNSWICK	37	81.22	177	85.79	84.87
11 BUNCOMBE	219	130.13	975	118.28	85.96
12 BURKE	76	100.59	302	81.30	87.05
13 CABARRUS	56	60.82	258	57.22	51.03
14 CALDWELL	40	56.94	259	75.59	85.69
15 CAMDEN	4	68.79	32	110.82	91.42
16 CARTERET	45	92.33	166	72.71	66.57
17 CASWELL	14	62.38	84	77.57	76.02
18 CATAWBA	62	55.06	326	59.52	63.52
19 CHATHAM	30	84.83	148	85.33	72.66
20 CHEROKEE	11	54.43	62	62.99	42.40
21 CHOWAN	3	22.79	46	71.80	53.31
22 CLAY	6	85.39	24	68.61	40.69
23 CLEVELAND	64	74.27	259	61.42	56.98
24 COLUMBUS	57	109.45	289	111.49	101.42
25 CRAVEN	60	75.49	235	62.41	86.58
26 CUMBERLAND	145	56.62	547	43.27	98.99
27 CURRITUCK	16	124.08	80	130.52	129.69
28 DARE	15	86.99	50	63.79	54.23
29 DAVIDSON	92	77.65	441	76.18	78.16
30 DAVIE	25	90.32	105	77.55	76.18
31 DUPLIN	36	86.56	185	89.53	83.73
32 DURHAM	153	94.66	670	84.78	87.49
33 EDGECOMBE	54	92.44	267	93.34	95.37
34 FORSYTH	232	89.74	1119	88.68	85.40
35 FRANKLIN	22	67.12	106	67.49	57.19
36 GASTON	250	145.54	795	94.99	100.40
37 GATES	7	74.61	38	82.93	68.82
38 GRAHAM	4	55.64	20	56.23	35.20
39 GRANVILLE	37	100.91	145	81.19	77.98
40 GREENE	17	102.99	90	110.18	131.73
41 GUILFORD	299	91.57	1469	91.15	90.30

* SEE SECTION I

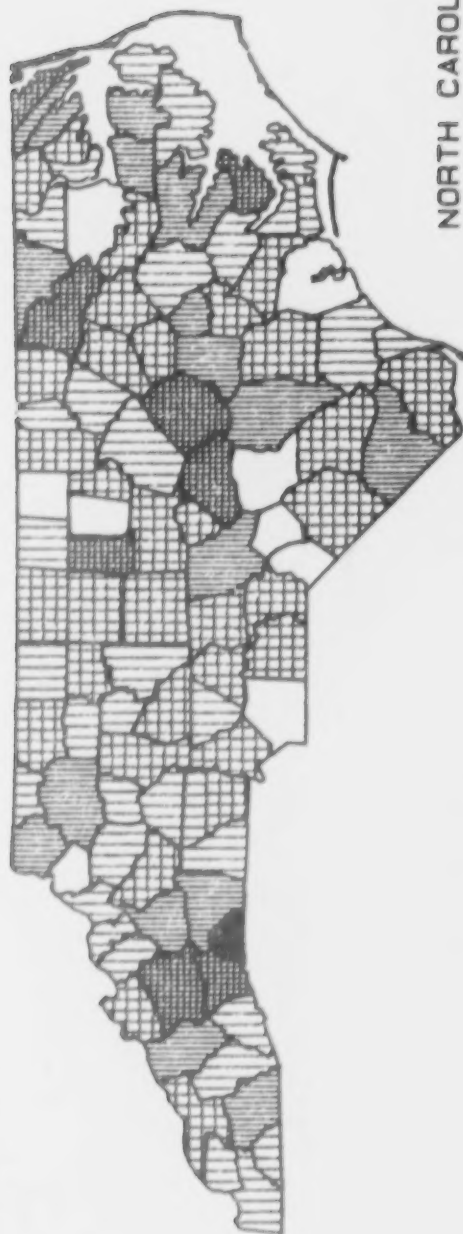
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
OTHER FORMS OF ISCHEMIC HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	64	114.36	334	119.95	93.86
43 HARNETT	60	95.23	361	116.97	124.85
44 HAYWOOD	58	121.07	253	107.11	78.22
45 HENDERSON	80	120.87	416	131.29	82.42
46 HERTFORD	20	83.59	87	73.28	68.60
47 HOKE	17	75.53	53	48.10	66.56
48 HYDE	3	50.25	17	57.06	39.18
49 IREDELL	78	89.39	392	91.69	83.27
50 JACKSON	20	74.16	96	71.48	61.13
51 JOHNSTON	104	135.38	497	134.59	130.69
52 JONES	11	112.58	45	92.08	85.66
53 LEE	40	98.64	164	85.06	85.78
54 LENOIR	64	105.81	285	94.51	99.42
55 LINCOLN	40	87.62	137	62.38	59.11
56 McDOWELL	36	99.22	204	112.94	100.15
57 MACON	39	169.03	121	109.04	75.76
58 MADISON	16	93.07	78	90.53	75.76
59 MARTIN	31	116.30	121	91.43	84.30
60 MECKLENBURG	352	79.54	1756	82.48	94.86
61 MITCHELL	11	75.55	51	70.87	39.56
62 MONTGOMERY	23	96.78	96	82.53	70.52
63 MOORE	52	94.89	263	99.33	73.23
64 NASH	56	79.10	281	80.76	82.57
65 NEW HANOVER	117	104.44	406	74.66	78.83
66 NORTHAMPTON	18	80.50	117	104.25	76.70
67 ONSLOW	52	42.44	248	42.17	99.71
68 ORANGE	47	56.99	209	52.36	69.66
69 PAMLICO	14	127.55	68	127.02	97.27
70 PASQUOTANK	39	132.85	147	102.15	94.17
71 PENDER	23	94.17	85	72.77	72.20
72 PERQUIMANS	14	135.94	43	87.54	60.49
73 PERSON	7	25.13	67	44.80	42.22
74 PITT	78	81.36	366	77.65	93.80
75 POLK	24	166.80	114	163.26	87.38
76 RANDOLPH	92	94.61	378	79.69	81.26
77 RICHMOND	35	75.83	208	91.10	83.22
78 ROBESON	111	104.69	473	90.48	107.81
79 ROCKINGHAM	70	82.04	367	86.36	80.40
80 ROWAN	80	77.33	435	85.66	66.70
81 RUTHERFORD	40	70.24	273	98.08	78.61
82 SAMPSON	66	131.10	281	112.22	101.48
83 SCOTLAND	14	41.66	81	48.64	64.48
84 STANLY	58	115.58	230	93.61	77.64
85 STOKES	34	96.19	125	72.02	73.49
86 SURRY	60	98.64	273	90.48	73.69
87 SWAIN	11	102.81	43	81.24	59.55
88 TRANSYLVANIA	23	89.91	77	62.47	56.72
89 TYRRELL	5	121.15	21	101.03	94.20
90 UNION	37	47.36	157	41.91	48.35
91 VANCE	26	67.84	119	63.46	58.82
92 WAKE	234	66.13	1028	62.70	86.71
93 WARREN	17	103.66	65	79.55	59.21
94 WASHINGTON	18	123.89	75	103.34	107.92
95 WATAUGA	23	67.30	80	47.67	49.64
96 WAYNE	85	86.17	499	101.80	115.59
97 WILKES	60	98.68	313	104.29	105.97
98 WILSON	55	85.47	268	83.79	86.58
99 YADKIN	15	51.08	94	64.32	51.39
100 YANCEY	8	51.36	48	62.81	37.19

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

OTHER ISCHEMIC HEART DISEASE

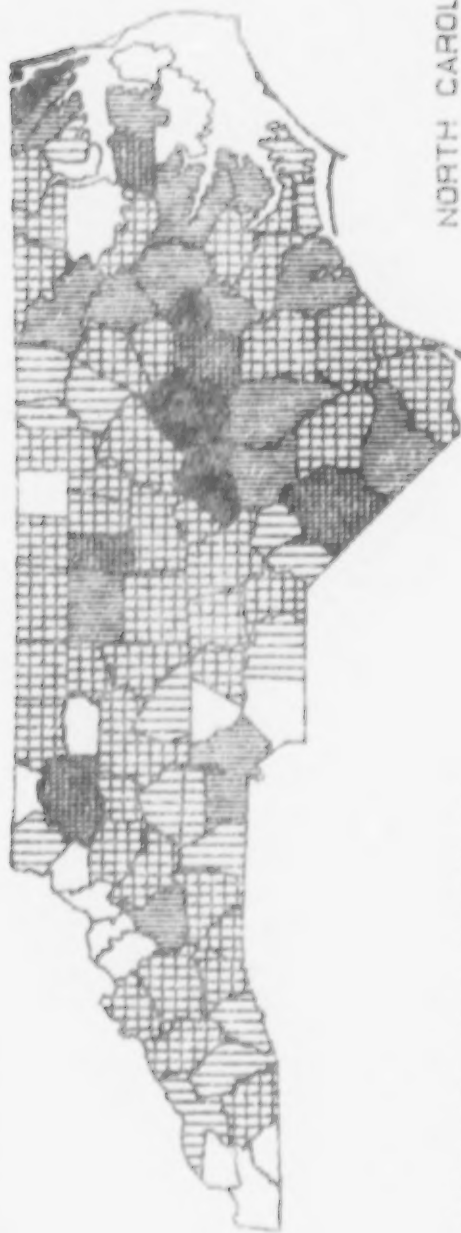
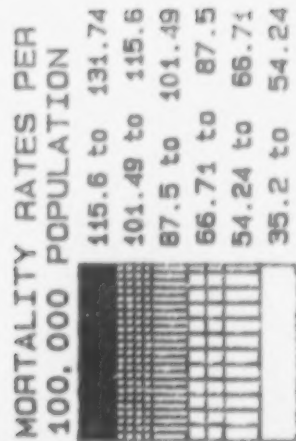


NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 5.A



OTHER ISCHEMIC HEART DISEASE



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE--RACE--SEX ADJUSTED

FIGURE 5.B



TABLE 6
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS

HYPERTENSION WITH OR WITHOUT RENAL DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	231	3.69	1208	3.96	3.96
REGIONS					
DHR I WESTERN	80	3.73	366	3.50	3.92
DHR II N. CENTRAL	44	3.33	276	4.26	4.14
DHR III S. CENTRAL	60	4.09	284	4.01	4.31
DHR IV EASTERN	47	3.53	282	4.35	3.88
HSA I WESTERN	40	3.73	176	3.35	3.50
HSA II PIEDMONT	41	3.52	233	4.07	4.20
HSA III S. PIEDMONT	40	3.73	190	3.65	4.10
HSA IV CAPITAL	29	3.20	159	3.68	3.72
HSA V CARDINAL	44	4.64	208	4.48	4.54
HSA VI EASTERN	37	3.38	242	4.51	3.97
COUNTIES					
1 ALAMANCE	3	2.93	21	4.16	3.73
2 ALEXANDER	2	7.51	8	6.12	7.85*
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	0	0.00	11	8.48	5.15
5 ASHE	2	8.53	4	3.46	2.06
6 AVERY	0	0.00	2	2.68	1.98
7 BEAUFORT	3	6.93	14	6.62	5.01
8 BERTIE	1	4.68	6	5.62	3.62
9 BLADEN	2	6.50	6	3.90	2.90
10 BRUNSWICK	0	0.00	6	2.90	2.98
11 BUNCOMBE	12	7.13	45	5.21	4.54
12 BURKE	1	1.32	12	3.23	3.41
13 CABARRUS	5	5.43	20	4.43	4.45
14 CALDWELL	0	0.00	7	2.04	1.90
15 CAMDEN	0	0.00	1	3.46	4.80
16 CARTERET	2	4.10	8	3.50	5.08
17 CASHWELL	2	8.91	5	4.61	2.97
18 CATAWBA	4	3.55	16	2.92	4.36
19 CHATHAM	0	0.00	5	2.88	2.43
20 CHEROKEE	0	0.00	1	1.01	0.65
21 CHOWAN	1	7.59	9	14.04	12.18
22 CLAY	0	0.00	1	2.85	1.27
23 CLEVELAND	5	5.80	11	2.60	2.32
24 COLUMBUS	3	5.76	10	3.85	2.92
25 CRAVEN	4	5.03	11	2.92	3.56
26 CUMBERLAND	5	1.95	44	3.48	6.23
27 CURRITUCK	1	7.75	2	3.26	3.12
28 DARE	0	0.00	2	2.55	2.19
29 DAVIDSON	2	1.68	19	3.28	4.19
30 DAVIE	1	3.61	5	3.69	4.12
31 DUPLIN	4	9.61	8	3.87	2.58
32 DURHAM	7	4.33	29	3.66	3.28
33 EDGECOMBE	0	0.00	13	4.54	3.03
34 FORSYTH	14	5.41	72	5.70	5.38
35 FRANKLIN	0	0.00	8	5.09	3.62
36 GASTON	5	2.91	18	2.15	2.69
37 GATES	2	21.31	3	6.54	4.07
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	0	0.00	3	1.67	1.21
40 GREENE	1	6.05	6	9.79	6.42
41 GUILFORD	10	3.06	59	3.66	3.66

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
HYPERTENSION WITH OR WITHOUT RENAL DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	3	5.36	14	5.02	3.41
43 HARNETT	2	3.17	15	4.86	5.25
44 HAYWOOD	5	10.43	13	5.50	6.82
45 HENDERSON	2	3.02	19	5.99	11.25
46 HERTFORD	0	0.00	3	2.52	0.88
47 HOKE	0	0.00	6	5.44	4.26
48 HYDE	0	0.00	2	6.71	3.56
49 IREDELL	2	2.29	15	3.50	4.18
50 JACKSON	0	0.00	1	0.74	0.61
51 JOHNSTON	3	3.90	15	4.06	4.05
52 JONES	1	10.23	2	4.09	2.75
53 LEE	2	4.93	13	6.74	6.84
54 LENOIR	1	1.65	17	5.63	4.92
55 LINCOLN	0	0.00	3	1.36	2.92
56 MCDOWELL	2	5.51	8	4.42	4.46
57 MACON	1	4.33	8	7.20	3.16
58 MADISON	0	0.00	2	2.32	1.24
59 MARTIN	1	3.75	8	6.04	4.14
60 MECKLENBURG	18	4.06	91	4.27	4.70
61 MITCHELL	0	0.00	0	0.00	0.00
62 MONTGOMERY	4	16.83	11	9.45	8.52
63 MOORE	5	9.12	17	6.42	4.97
64 NASH	0	0.00	9	2.58	2.60
65 NEW HANOVER	6	5.35	16	2.94	3.19
66 NORTHAMPTON	2	8.94	3	2.67	1.73
67 ONSLOW	2	1.63	14	2.38	5.89
68 ORANGE	5	6.06	17	4.25	5.37
69 PAMLICO	0	0.00	0	0.00	0.00
70 PASQUOTANK	1	3.40	5	3.47	2.59
71 PENDER	1	4.09	8	6.84	5.10
72 PERQUIMANS	1	9.71	8	16.28	7.92
73 PERSON	1	3.30	6	4.01	3.39
74 PITY	3	3.12	23	4.88	4.62
75 POLK	0	0.00	4	5.72	2.10
76 RANDOLPH	2	2.05	9	1.89	2.74
77 RICHMOND	0	0.00	9	3.94	3.53
78 ROBESON	10	9.43	31	5.93	4.93
79 ROCKINGHAM	4	4.68	26	4.70	4.61
80 ROWAN	5	4.83	27	5.31	4.82
81 RUTHERFORD	1	1.75	8	2.87	2.66
82 SAMPSON	5	9.93	10	3.90	3.12
83 SCOTLAND	1	2.97	8	4.80	4.95
84 STANLY	2	3.98	4	1.62	1.81
85 STOKES	1	2.82	8	4.60	6.72
86 SURRY	2	3.28	13	4.30	3.84
87 SWAIN	1	9.34	1	1.88	1.80
88 TRANSYLVANIA	0	0.00	0	0.00	0.00
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	3	3.84	12	3.20	3.96
91 VANCE	0	0.00	19	10.13	6.54
92 WAKE	9	2.54	37	2.25	2.99
93 WARREN	2	12.19	7	8.56	2.17
94 WASHINGTON	0	0.00	10	13.77	10.78
95 WATAUGA	1	2.92	4	2.38	2.09
96 WAYNE	2	2.02	25	5.10	4.23
97 WILKES	1	1.64	2	0.66	0.58
98 WILSON	1	1.55	14	4.37	3.75
99 YADKIN	0	0.00	2	1.36	0.95
100 YANCEY	0	0.00	1	1.30	0.74

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 7
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	4633	74.08	22999	75.45	75.45
REGIONS					
DHR I WESTERN	1588	74.09	7618	72.94	70.05
DHR II N. CENTRAL	980	74.33	5110	78.91	74.76
DHR III S. CENTRAL	946	64.62	4853	68.55	78.86
DHR IV EASTERN	1119	84.23	5418	83.60	83.31
HSA I WESTERN	799	74.51	3860	73.49	65.21
HSA II PIEDMONT	837	71.90	4452	77.81	75.37
HSA III S. PIEDMONT	789	73.67	3758	72.38	75.58
HSA IV CAPITAL	558	61.65	2752	63.72	67.76
HSA V CARDINAL	770	81.28	3787	81.59	90.32
HSA VI EASTERN	880	80.41	4390	81.98	81.67
COUNTIES					
1 ALABANCE	72	70.41	415	82.24	73.04
2 ALEXANDER	12	45.08	74	56.63	64.55
3 ALLEGHANY	10	103.17	49	100.03	86.39*
4 ANSON	21	80.04	141	108.72	80.29
5 ASHE	12	51.23	76	65.86	37.52
6 AVERY	3	20.00	30	40.30	46.15*
7 BEAUFORT	49	113.26	223	105.51	91.83
8 BERTIE	20	93.71	89	83.42	63.19
9 BLADEN	29	94.34	186	121.10	117.25
10 BRUNSWICK	29	63.65	135	65.43	65.29
11 BUNCOMBE	163	96.86	760	92.20	72.58
12 BURKE	35	46.32	204	54.92	60.31
13 CABARRUS	86	93.41	417	92.48	88.51
14 CALDWELL	33	46.97	167	48.74	53.50
15 CAMDEN	6	103.19	30	103.89	99.27
16 CARTERET	28	57.45	127	55.63	57.78
17 CASWELL	20	89.11	102	94.19	91.83
18 CATAWBA	77	68.38	353	64.45	72.51
19 CHATHAM	24	67.86	161	92.83	78.98
20 CHEROKEE	13	64.33	70	71.12	54.58
21 CHOWAN	18	136.79	78	121.75	81.33
22 CLAY	3	42.69	20	57.17	33.25
23 CLEVELAND	65	75.43	303	71.85	68.92
24 COLUMBUS	53	101.77	285	109.95	107.16
25 CRAVEN	43	54.10	213	56.57	76.88
26 CUMBERLAND	114	44.51	608	48.10	101.37
27 CURRITUCK	11	85.31	39	63.63	62.54
28 DARE	7	40.59	51	65.07	60.53
29 DAVIDSON	63	53.17	351	60.63	68.13
30 DAVIE	16	57.80	84	62.04	69.44
31 DUPLIN	29	69.73	206	99.69	86.55
32 DURHAM	93	57.54	498	63.01	60.44
33 ENGELOMBE	60	102.71	303	105.93	94.79
34 FORSYTH	179	69.24	917	72.67	68.50
35 FRANKLIN	27	82.37	119	75.77	56.59
36 GASTON	135	78.59	596	71.21	76.07
37 GATES	5	53.29	40	87.30	58.15
38 GRAHAM	3	41.73	22	61.85	54.02
39 GRANVILLE	34	92.73	158	88.47	78.38
40 GREENE	14	84.82	70	85.69	90.75
41 GUILFORD	244	74.73	1308	81.16	78.58

* SEE SECTION I

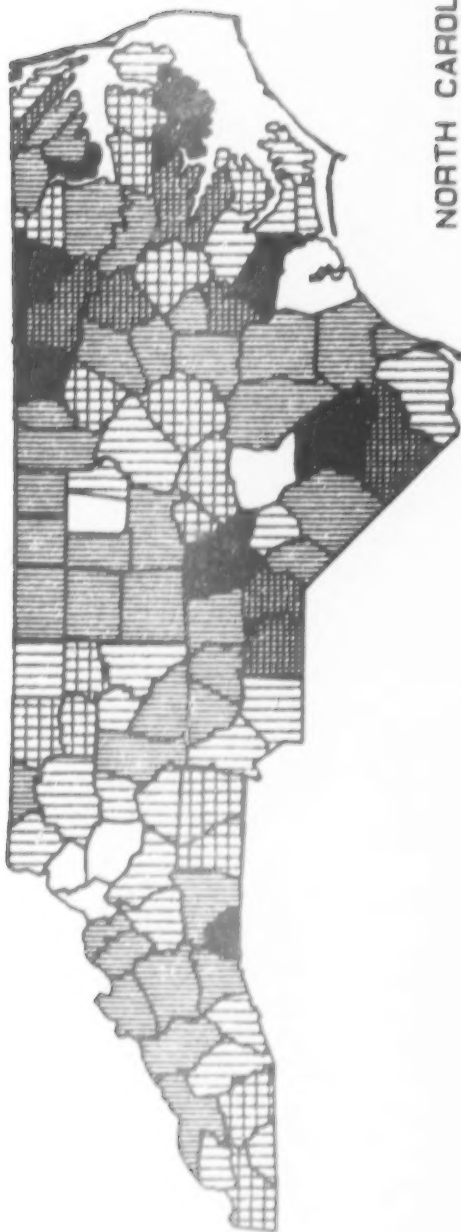
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	51	91.13	309	110.97	83.33
43 HARNETT	35	55.55	213	69.01	74.31
44 HAYWOOD	40	83.49	218	92.29	78.24
45 HENDERSON	64	96.69	314	99.10	57.93
46 HERTFORD	18	75.23	86	72.43	55.89
47 HOKE	11	48.87	67	60.81	69.03
48 HYDE	7	117.27	37	124.19	82.33
49 IREDELL	77	88.25	394	92.16	84.29
50 JACKSON	18	66.74	70	52.12	43.57
51 JOHNSTON	52	67.69	256	69.32	68.67
52 JONES	9	92.11	61	124.82	98.26
53 LEE	21	51.79	141	73.13	74.66
54 LENOIR	67	110.77	331	109.76	102.55
55 LINCOLN	39	85.43	161	73.31	79.91
56 MCDOWELL	33	90.95	121	66.99	64.40
57 MACON	16	69.34	80	72.09	52.58
58 MADISON	29	168.69	82	95.18	76.01*
59 MARTIN	32	120.06	119	89.92	73.49
60 MECKLENBURG	280	63.27	1285	60.36	69.72
61 MITCHELL	11	75.55	69	95.88	54.42
62 MONTGOMERY	25	105.20	99	85.11	72.99
63 MOORE	52	94.89	314	118.59	88.23
64 NASH	54	76.28	337	96.85	93.26
65 NEW HANOVER	133	118.72	489	89.92	92.35
66 NORTHAMPTON	32	143.11	135	120.29	75.87
67 ONSLOW	41	33.46	179	30.43	76.46
68 ORANGE	37	44.87	178	44.59	58.62
69 PAMLICO	14	127.55	40	74.72	56.80
70 PASQUOTANK	20	68.12	117	81.30	67.29
71 PENDER	24	98.26	119	101.88	89.68
72 PERQUIMANS	3	29.13	43	87.54	52.74
73 PERSON	30	99.16	121	80.92	70.79
74 PITT	64	66.76	331	70.22	80.18
75 POLK	15	104.25	85	121.73	68.95
76 RANDOLPH	88	90.50	448	94.45	104.10
77 RICHMOND	47	101.84	247	108.19	95.00
78 ROBESON	92	86.77	503	96.22	99.82
79 ROCKINGHAM	66	77.35	394	92.72	87.29
80 ROWAN	92	88.93	468	92.16	74.28
81 RUTHERFORD	53	93.07	278	99.87	80.68
82 SAMPSON	63	125.14	224	89.46	75.42
83 SCOTLAND	42	124.98	157	94.28	106.69
84 STANLY	36	71.74	196	79.77	72.57
85 STOKES	21	59.41	101	58.19	61.96
86 SURRY	46	75.62	219	72.58	68.26
87 SWAIN	14	130.85	47	88.80	62.44
88 TRANSYLVANIA	12	46.90	74	60.03	48.52
89 TYRRELL	3	72.69	16	76.98	61.83
90 UNION	44	56.32	241	64.33	75.96
91 VANCE	30	78.28	156	83.20	63.72
92 WAKE	188	53.13	860	52.46	71.48
93 WARREN	22	134.15	104	127.28	66.60
94 WASHINGTON	13	89.47	55	75.78	82.27
95 WATAUGA	14	40.96	61	36.35	30.23
96 WAYNE	98	99.35	416	84.87	95.76
97 WILKES	41	67.43	171	56.98	60.99
98 WILSON	64	99.45	309	96.61	92.89
99 YADKIN	22	74.91	113	77.32	68.99
100 YANCEY	10	64.20	62	81.13	69.35*

* SEE SECTION I

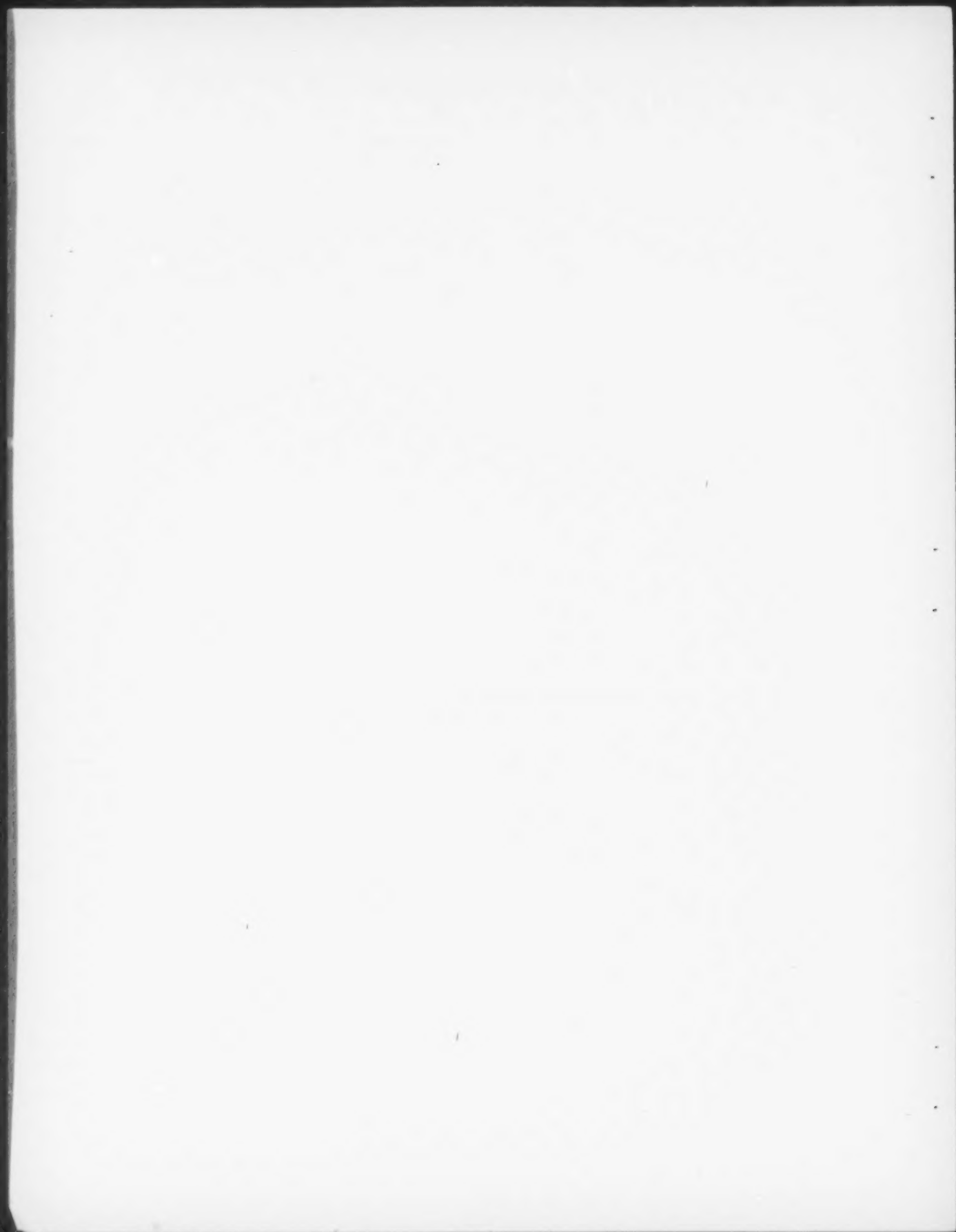
STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CEREBROVASCULAR DISEASES

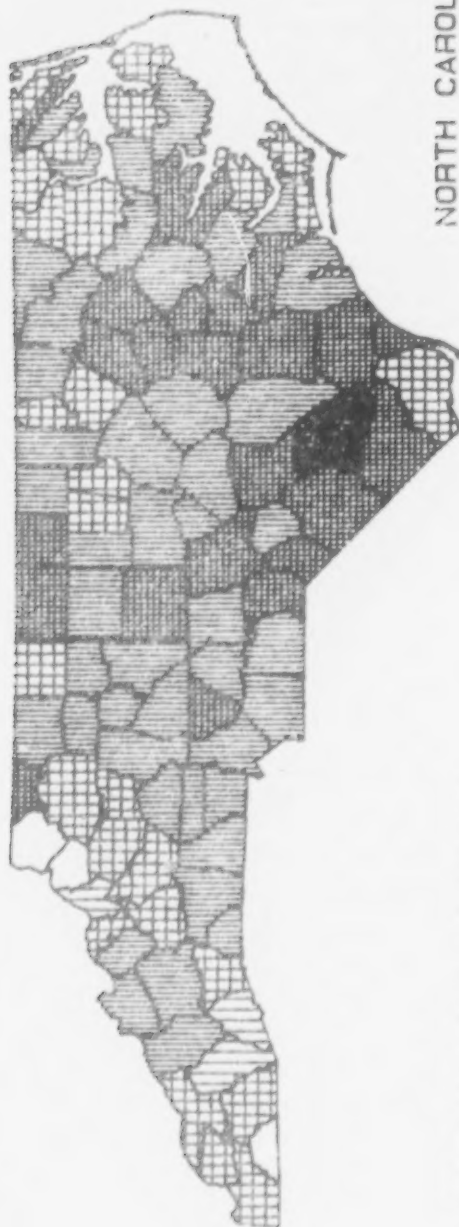


NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 7.A



CEREBROVASCULAR DISEASES



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 7.B

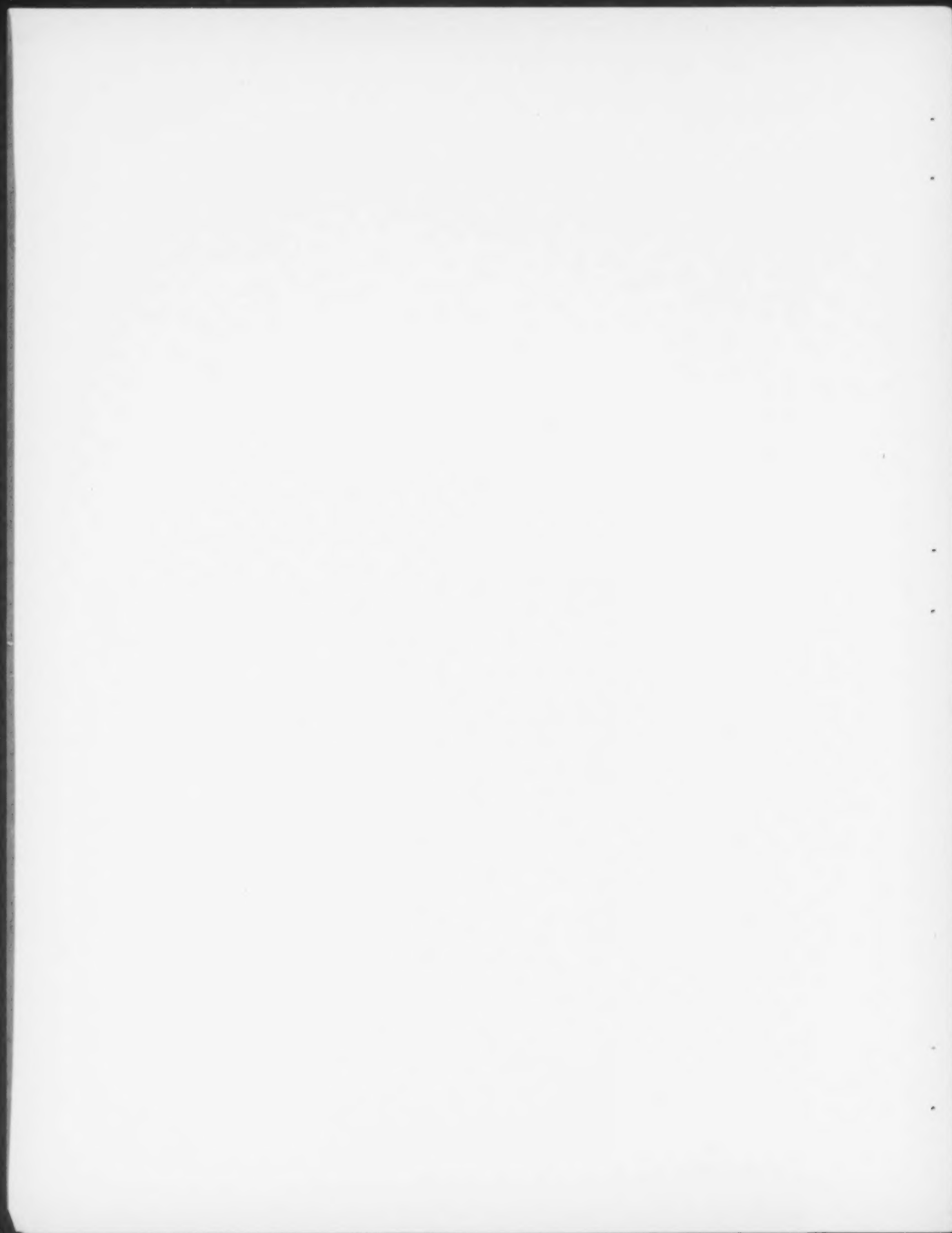


TABLE 8
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	529	8.45	2736	8.97	8.97
REGIONS					
DHR I WESTERN	205	9.56	953	9.12	8.28
DHR II N. CENTRAL	102	7.73	549	8.47	7.93
DHR III S. CENTRAL	112	7.65	642	9.06	10.61
DHR IV EASTERN	110	8.28	592	9.13	9.63
HSA I WESTERN	112	10.44	493	9.38	7.65
HSA II PIEDMONT	98	8.41	517	9.03	8.58
HSA III S. PIEDMONT	93	8.68	460	8.86	9.10
HSA IV CAPITAL	67	7.40	325	7.52	8.02
HSA V CARDINAL	67	7.07	473	10.19	11.81
HSA VI EASTERN	92	8.40	468	8.73	9.34
COUNTIES					
1 ALAMANCE	11	10.75	65	12.88	11.32
2 ALEXANDER	1	3.75	8	6.12	8.54
3 ALLEGHANY	2	20.63	3	6.12	3.57
4 ANSON	0	0.00	11	8.48	4.18
5 ASHE	4	17.07	16	13.86	7.92
6 AVERY	1	6.66	4	5.37	4.94
7 BEAUFORT	0	0.00	13	6.15	5.53
8 BERTIE	3	14.05	7	6.56	6.61
9 BLADEN	0	0.00	9	5.85	5.80
10 BRUNSWICK	3	6.58	25	12.11	13.65
11 BUNCOMBE	29	17.23	113	13.70	9.80
12 BURKE	4	5.29	15	4.03	3.94
13 CABARRUS	4	4.34	21	4.65	4.46
14 CALDWELL	6	8.54	16	4.66	5.23
15 CAMDEN	1	17.19	5	17.31	18.46
16 CARTERET	0	0.00	9	3.94	3.00
17 CASWELL	2	8.91	12	11.08	10.11
18 CATAWBA	10	8.88	36	6.57	6.38
19 CHATHAM	3	8.48	7	4.03	3.25
20 CHEROKEE	1	4.94	5	5.08	2.60
21 CHOWAN	2	15.19	8	12.48	9.06
22 CLAY	0	0.00	3	8.57	4.18
23 CLEVELAND	7	8.12	49	11.62	10.42
24 COLUMBUS	3	5.76	27	10.41	9.85
25 CRAVEN	8	10.06	38	10.09	13.66
26 CUMBERLAND	8	3.12	65	5.14	13.05
27 CURRITUCK	2	15.51	7	11.42	11.16
28 DARE	4	23.19	12	15.31	13.23
29 DAVIDSON	10	8.44	51	8.81	9.04
30 DAVIE	2	7.22	8	5.90	6.99
31 DUPLIN	5	12.02	27	13.06	12.27
32 DURHAM	20	12.37	120	15.18	13.85
33 EDGECOMBE	6	10.27	36	12.58	14.20
34 FORSYTH	11	4.25	80	6.34	5.99
35 FRANKLIN	1	3.05	5	3.18	2.22
36 GASTON	10	5.82	60	7.16	8.04
37 GATES	0	0.00	5	10.91	6.45
38 GRAHAM	1	13.91	1	2.81	2.47
39 GRANVILLE	0	0.00	7	3.91	3.91
40 GREENE	0	0.00	11	13.46	15.78
41 GUILFORD	41	12.55	162	10.05	9.62

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	7	12.50	35	12.56	10.06
43 HARNETT	3	4.76	13	4.21	4.39
44 HAYWOOD	6	12.52	16	6.77	3.78
45 HENDERSON	8	12.08	36	11.36	7.61
46 HERTFORD	1	4.17	9	7.58	5.28
47 HOKE	1	4.44	9	8.16	11.46
48 HYDE	0	0.00	1	3.35	0.92
49 IREDELL	9	10.31	58	13.56	12.63
50 JACKSON	4	14.83	11	8.19	6.47
51 JOHNSTON	5	6.50	20	5.41	5.37
52 JONES	1	10.23	6	12.27	9.51
53 LEE	4	9.86	25	12.96	13.07
54 LENOIR	10	16.53	30	9.94	9.63
55 LINCOLN	7	15.33	27	12.29	12.30
56 MCDOWELL	5	13.78	18	9.96	8.70
57 MACON	1	4.33	9	8.11	3.64
58 MADISON	1	5.81	8	9.28	11.82*
59 MARTIN	0	0.00	3	2.26	2.29
60 MECKLENBURG	40	9.03	136	6.38	7.54
61 MITCHELL	1	6.86	8	11.11	5.56
62 MONTGOMERY	4	16.83	12	10.31	8.41
63 MOORE	9	16.42	63	23.79	17.46
64 NASH	1	1.41	23	6.61	7.11
65 NEW HANOVER	11	9.81	62	11.40	11.78
66 NORTHAMPTON	4	17.88	15	13.36	11.83
67 ONSLOW	7	5.71	24	4.08	11.54
68 ORANGE	9	10.91	33	8.26	10.64
69 PAMLICO	0	0.00	4	7.47	5.27
70 PASQUOTANK	0	0.00	15	10.42	8.06
71 PENDER	1	4.09	10	8.56	8.37
72 PERQUIMANS	5	48.55	11	22.39	14.05
73 PERSON	1	3.30	8	5.35	5.00
74 PITT	5	5.21	35	7.42	9.03
75 POLK	0	0.00	10	14.32	7.61
76 RANDOLPH	3	3.08	23	4.84	6.51
77 RICHMOND	6	13.00	32	14.01	13.08
78 ROBESON	13	12.26	84	16.06	19.58
79 ROCKINGHAM	2	2.34	36	8.47	7.99
80 ROWAN	15	14.50	105	20.67	15.13
81 RUTHERFORD	8	14.04	43	15.44	12.05
82 SAMPSON	2	3.97	18	7.18	6.48
83 SCOTLAND	3	8.92	33	19.81	24.48
84 STANLY	5	9.96	33	13.43	13.04
85 STOKES	6	16.97	16	9.21	8.25
86 SURRY	8	13.15	55	18.22	15.59
87 SWAIN	0	0.00	11	20.78	14.47
88 TRANSYLVANIA	5	19.54	18	14.60	14.23
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	3	3.84	20	5.33	6.45
91 VANCE	0	0.00	4	2.13	2.25
92 WAKE	22	6.21	88	5.36	7.56
93 WARREN	2	12.19	8	9.79	6.59
94 WASHINGTON	1	6.88	4	5.51	7.13
95 WATAUGA	2	5.85	8	4.76	11.36*
96 WAYNE	12	12.16	38	7.75	9.58
97 WILKES	2	3.28	18	5.99	5.96
98 WILSON	7	10.87	37	11.56	12.09
99 YADKIN	2	6.81	9	6.15	4.53
100 YANCEY	3	19.26	10	13.08	7.18

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 9
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	11159	178.43	52257	171.45	171.45
REGIONS					
DWR I WESTERN	3940	183.83	18238	174.63	167.33
DWR II N. CENTRAL	2414	183.10	11561	178.53	170.25
DWR III S. CENTRAL	2327	158.96	10838	153.09	175.39
DWR IV EASTERN	2478	186.53	11620	179.29	181.12
HSA I WESTERN	2040	190.24	9495	180.79	163.81
HSA II PIEDMONT	2118	181.96	10093	176.42	170.96
HSA III S. PIEDMONT	1900	177.40	8743	168.40	171.85
HSA IV CAPITAL	1507	166.51	7065	163.59	175.74
HSA V CARDINAL	1564	165.09	7399	159.42	175.77
HSA VI EASTERN	2030	185.49	9462	176.70	180.26
COUNTIES					
1 ALAMANCE	217	212.21	998	197.79	170.89
2 ALEXANDER	34	127.72	167	127.82	146.69
3 ALLEGHANY	27	278.58	98	200.07	180.14
4 ANSON	60	228.70	238	183.51	157.57
5 ASHE	53	226.27	211	182.84	167.25
6 AVERY	20	133.36	119	159.87	121.98
7 BEAUFORT	82	189.55	427	202.04	177.06
8 BERTIE	46	215.54	260	243.71	211.28
9 BLADEN	54	175.67	258	167.97	158.39
10 BRUNSWICK	90	197.56	364	176.43	166.97
11 BUNCOMBE	393	233.53	1798	218.12	183.20
12 BURKE	113	149.57	505	135.96	141.43
13 CABARRUS	162	175.96	801	177.65	164.47
14 CALDWELL	124	176.52	542	158.18	169.61
15 CAMDEN	15	257.99	64	221.65	196.06
16 CARTERET	103	211.35	489	214.19	195.98
17 CASHWELL	32	142.58	165	152.38	146.36
18 CATAWBA	207	183.83	880	160.67	172.97
19 CHATHAM	57	161.18	303	174.71	156.55
20 CHEROKEE	30	148.46	195	198.13	161.43
21 CHOWAN	40	303.99	161	251.31	190.20
22 CLAY	19	270.42	78	222.99	207.13
23 CLEVELAND	130	161.32	707	167.67	160.35
24 COLUMBUS	84	161.30	413	159.33	151.90
25 CRAVEN	121	152.24	553	146.87	182.04
26 CUMBERLAND	288	112.46	1299	102.77	186.83
27 CURRITUCK	30	232.66	121	197.41	182.63
28 DARE	29	168.18	147	187.55	150.73
29 DAVIDSON	214	180.62	943	162.91	164.90
30 DAVIE	50	180.64	244	180.22	183.86
31 DUPLIN	104	250.07	427	206.64	181.22
32 DURHAM	326	201.70	1479	187.15	190.07
33 EDGEcombe	103	176.33	523	182.84	179.55
34 FORSYTH	470	181.80	2186	173.24	169.16
35 FRANKLIN	62	189.13	294	187.19	154.42
36 GASTON	290	168.83	1399	167.16	170.30
37 GATES	26	277.15	97	211.70	167.54
38 GRAHAM	12	166.92	67	188.37	133.01
39 GRANVILLE	64	174.56	348	194.86	165.51
40 GREENE	26	157.52	128	156.70	164.54
41 GUILFORD	605	185.29	3042	188.77	188.27

* SEE SECTION I

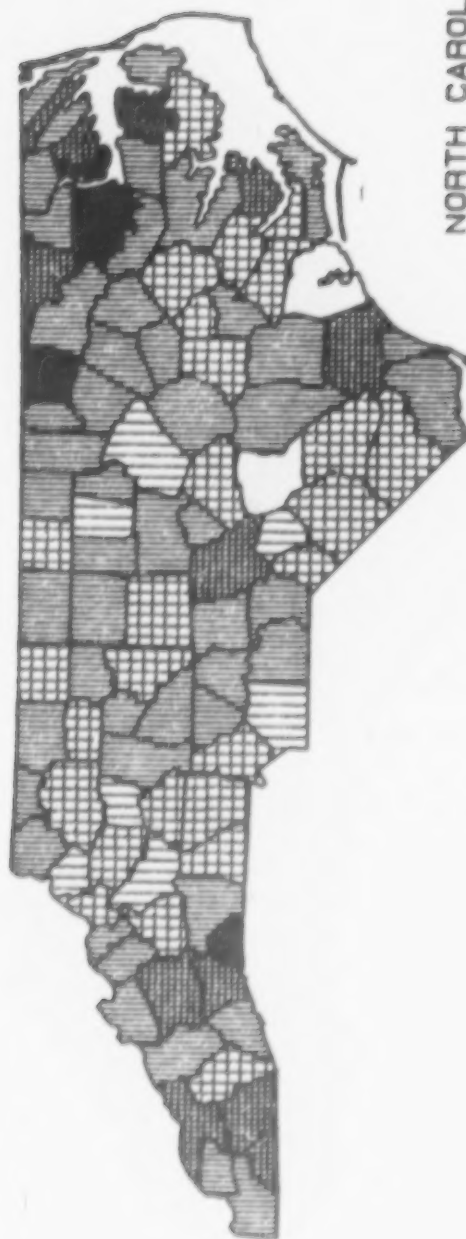
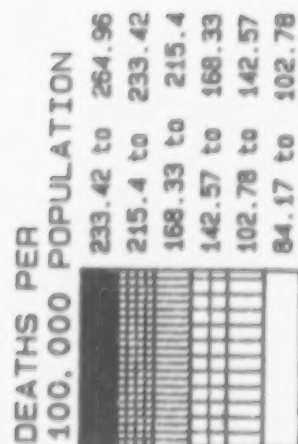
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	109	194.77	542	194.65	163.77
43 HARNETT	96	152.37	509	164.92	173.08
44 HAYWOOD	108	225.44	472	199.82	167.89
45 HENDERSON	164	247.78	711	224.39	168.09
46 HERTFORD	55	229.89	247	208.05	173.73
47 HOKE	28	124.41	129	117.08	147.56
48 HYDE	14	234.54	50	167.82	129.52
49 IREDELL	161	184.52	745	174.27	161.74
50 JACKSON	46	170.57	203	151.15	144.72
51 JOHNSTON	125	162.72	675	182.80	174.77
52 JONES	22	225.17	80	163.69	137.93
53 LEE	70	172.63	354	183.60	186.96
54 LENOIR	116	191.79	602	199.63	190.25
55 LINCOLN	81	177.44	348	158.46	161.96
56 McDOWELL	65	179.15	288	159.45	139.91
57 MACON	47	203.71	259	233.41	177.96
58 MADISON	36	209.41	157	182.23	124.06
59 MARTIN	52	195.09	260	196.46	171.32
60 MECKLENBURG	781	176.49	3434	161.31	182.92
61 MITCHELL	34	233.53	155	215.39	140.60
62 MONTGOMERY	43	180.95	221	190.08	169.76
63 MOORE	124	226.29	617	233.03	178.13
64 NASH	131	185.05	602	173.02	165.98
65 NEW HANOVER	228	203.52	1116	205.22	208.73
66 NORTHAMPTON	57	254.91	258	229.90	196.86
67 ONSLOW	120	97.95	495	84.17	179.65
68 ORANGE	116	140.67	495	124.01	163.61
69 PAMLICO	20	182.21	123	229.77	183.65
70 PASQUOTANK	61	207.79	303	210.56	193.56
71 PENDER	46	188.34	265	226.88	193.39
72 PERQUIMANS	25	242.76	108	219.87	154.66
73 PERSON	49	161.96	262	175.21	158.14
74 PITT	163	170.03	773	164.01	189.46
75 POLK	43	298.86	185	264.95	174.87
76 RANDOLPH	167	171.75	723	152.43	159.73
77 RICHMOND	90	195.01	421	184.40	163.87
78 ROBESON	171	161.28	791	151.31	177.80
79 ROCKINGHAM	152	178.15	753	177.20	162.35
80 ROWAN	219	211.70	1024	201.65	163.95
81 RUTHERFORD	86	151.03	507	182.15	157.24
82 SAMPSON	97	192.68	495	197.69	175.61
83 SCOTLAND	65	193.42	263	157.93	181.59
84 STANLY	88	175.36	458	186.42	165.84
85 STOKES	58	164.09	263	151.54	155.95
86 SURRY	97	159.48	530	175.66	165.26
87 SWAIN	21	196.28	119	224.84	186.83
88 TRANSYLVANIA	53	207.18	248	201.21	169.17
89 TYRRELL	9	218.07	52	250.19	207.08
90 UNION	118	151.05	534	142.56	164.45
91 VANCE	80	208.76	365	193.60	167.84
92 WAKE	517	146.12	2291	139.75	181.43
93 WARREN	41	250.01	201	246.00	187.04
94 WASHINGTON	37	254.66	145	199.79	193.46
95 WATAUGA	42	122.90	208	123.94	153.05
96 WAYNE	183	185.52	801	163.41	180.12
97 WILKES	87	143.08	459	152.94	148.34
98 WILSON	131	203.57	624	195.10	190.35
99 YADKIN	56	190.70	246	168.32	149.77
100 YANCEY	37	237.56	157	205.45	187.92

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TOTAL CANCER

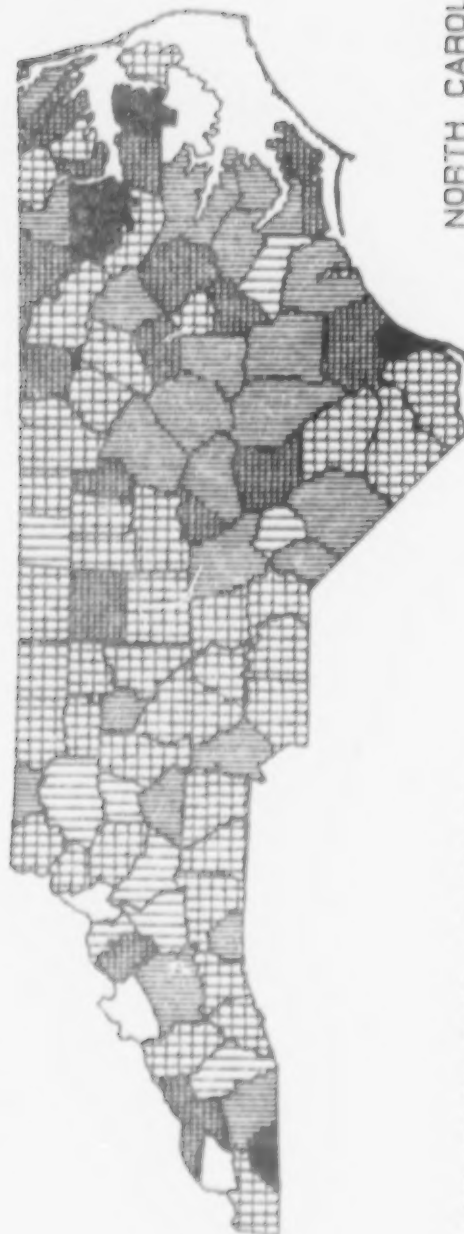
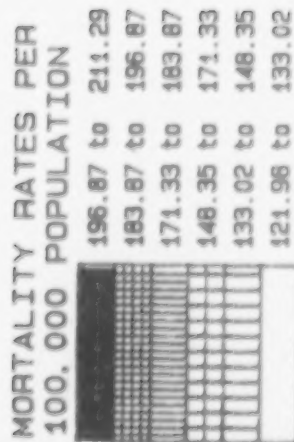


NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 9.A



TOTAL CANCER



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 9.B

TABLE 10
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	280	4.47	1420	4.65	4.65
REGIONS					
DHR I WESTERN	100	4.66	500	4.78	4.90
DHR II N. CENTRAL	54	4.09	298	4.60	4.45
DHR III S. CENTRAL	48	3.27	293	4.13	4.51
DHR IV EASTERN	78	5.87	329	5.07	4.51
HSA I WESTERN	43	4.01	262	4.98	5.19
HSA II PIEDMONT	45	3.86	250	4.36	4.42
HSA III S. PIEDMONT	57	5.32	238	4.58	4.83
HSA IV CAPITAL	35	3.86	197	4.56	4.58
HSA V CARDINAL	30	3.16	199	4.28	4.53
HSA VI EASTERN	70	6.39	274	5.11	4.50
COUNTIES					
1 ALAMANCE	4	3.91	27	5.35	4.68
2 ALEXANDER	0	0.00	5	3.82	3.63
3 ALLEGHANY	0	0.00	2	4.08	13.82*
4 ANSON	1	3.81	7	5.39	4.51
5 ASHE	1	4.26	8	6.93	4.40
6 AVERY	0	0.00	1	1.34	0.95
7 BEAUFORT	5	11.55	21	9.93	7.86
8 BERTIE	1	4.68	15	11.06	8.76
9 BLADEN	1	3.25	9	5.85	6.40
10 BRUNSWICK	1	2.19	5	2.42	2.62
11 BUNCOMBE	10	5.94	53	6.42	5.90
12 BURKE	2	2.64	12	3.23	4.25
13 CABARRUS	4	4.34	21	4.65	4.45
14 CALDWELL	5	7.11	17	4.96	5.17
15 CAMDEN	1	17.19	3	10.38	7.67
16 CARTERET	2	4.10	5	2.19	1.67
17 CASWELL	0	0.00	4	3.69	1.91
18 CATAWBA	3	2.66	22	4.01	5.77
19 CHATHAM	1	2.82	9	5.18	4.35
20 CHEROKEE	2	9.89	5	5.08	2.99
21 CHOWAN	1	7.59	4	6.24	4.82
22 CLAY	0	0.00	1	2.85	2.35
23 CLEVELAND	3	3.48	21	4.98	5.04
24 COLUMBUS	1	1.92	8	3.08	2.87
25 CRAVEN	4	5.03	17	4.51	4.81
26 CUMBERLAND	9	3.51	45	3.56	6.54
27 CURRITUCK	0	0.00	2	3.26	3.10
28 DARE	0	0.00	0	0.00	0.00
29 DAVIDSON	5	4.22	25	4.31	4.77
30 DAVIE	2	7.22	9	6.64	7.79
31 DUPLIN	2	4.80	10	4.83	3.37
32 DURHAM	5	3.09	40	5.06	4.25
33 EDGEcombe	5	8.55	17	5.94	4.16
34 FORSYTH	8	3.09	67	5.30	5.06
35 FRANKLIN	1	3.05	6	3.82	3.33
36 GASTON	13	7.56	45	5.37	5.55
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	2.81	2.12
39 GRANVILLE	5	13.63	14	7.83	6.45
40 GREENE	1	6.05	3	3.67	4.79
41 GUILFORD	11	3.36	67	4.15	4.19

* SEE SECTION I

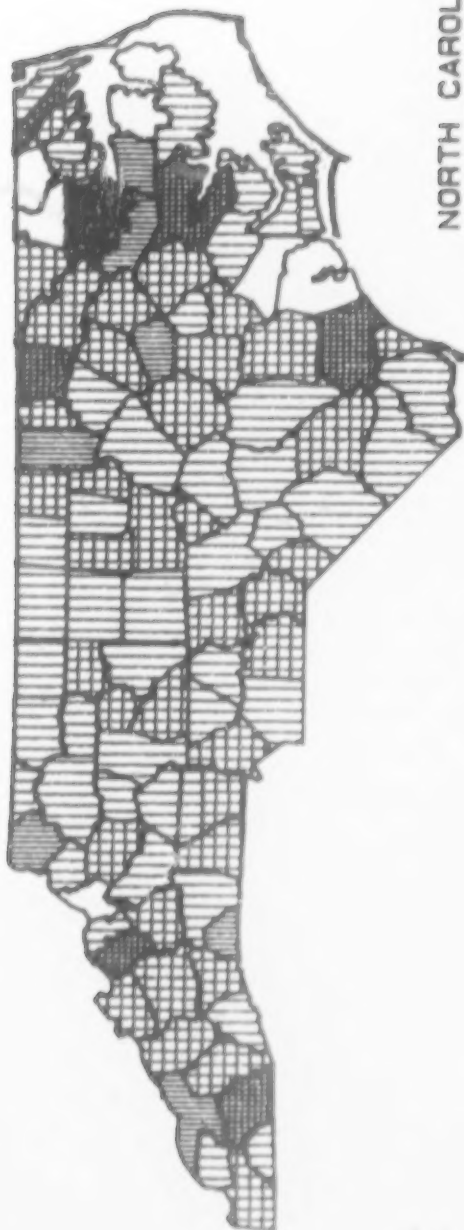
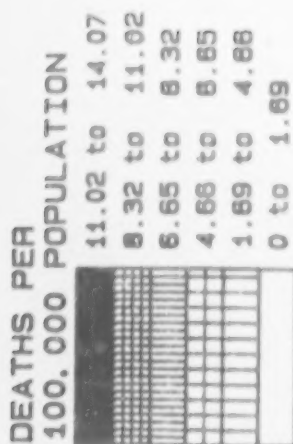
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF STOMACH CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	4	7.14	17	6.10	4.20
43 HARNETT	2	3.17	11	3.56	3.78
44 HAYWOOD	0	0.00	15	6.35	3.78
45 HENDERSON	3	4.53	16	5.04	3.96
46 HERTFORD	2	8.35	2	1.68	0.56
47 HOKE	0	0.00	3	2.72	2.42
48 HYDE	0	0.00	1	3.55	2.92
49 IREDELL	3	3.43	18	4.21	3.91
50 JACKSON	0	0.00	7	5.21	4.07
51 JOHNSTON	4	5.20	18	4.87	4.78
52 JONES	0	0.00	0	0.00	0.00
53 LEE	0	0.00	11	5.70	6.11
54 LENOIR	9	14.88	17	5.63	4.00
55 LINCOLN	3	6.57	8	3.64	3.18
56 MCDOWELL	3	8.26	9	4.98	8.11
57 MACON	2	8.66	11	9.91	18.42
58 MADISON	1	5.81	5	5.80	3.54
59 MARTIN	2	7.50	11	8.31	6.14
60 MECKLENBURG	22	4.97	103	4.83	5.48
61 MITCHELL	1	6.86	3	4.16	2.58
62 MONTGOMERY	1	4.20	7	6.01	5.19
63 MOORE	3	5.47	11	4.15	3.21
64 NASH	3	4.23	19	5.46	4.83
65 NEW HANOVER	5	4.46	30	5.51	5.55
66 NORTHAMPTON	1	4.47	6	5.34	4.63
67 ONSLOW	2	1.63	7	1.19	2.50
68 ORANGE	5	6.06	15	3.75	4.82
69 PAMLICO	1	9.11	2	3.73	2.82
70 PASQUOTANK	1	3.40	9	6.25	4.65
71 PENDER	1	4.09	12	10.27	6.93
72 PERQUIMANS	0	0.00	2	4.07	3.20
73 PERSON	1	3.30	9	6.01	5.16
74 PITT	7	7.30	27	5.72	5.85
75 POLK	1	6.95	5	7.16	4.12
76 RANDOLPH	2	2.05	16	3.37	4.80
77 RICHMOND	0	0.00	12	5.25	4.49
78 ROBESON	3	2.82	20	3.82	3.21
79 ROCKINGHAM	8	9.37	18	4.23	3.94
80 ROWAN	8	7.73	25	4.92	4.05
81 RUTHERFORD	0	0.00	11	3.95	4.05
82 SAMPSON	1	1.98	11	4.39	3.92
83 SCOTLAND	1	2.97	8	4.80	6.18
84 STANLY	1	1.99	9	3.66	2.76
85 STOKES	2	5.65	5	2.88	2.55
86 SURRY	1	1.64	9	2.98	3.23
87 SWAIN	1	9.34	4	7.55	7.19*
88 TRANSYLVANIA	2	7.81	5	4.05	2.74
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	3	3.84	9	2.40	2.67
91 VANCE	1	2.60	10	5.33	2.73
92 WAKE	11	3.10	56	3.41	4.25
93 WARREN	1	6.09	9	11.01	6.49
94 WASHINGTON	1	6.88	6	8.26	6.34
95 WATAUGA	0	0.00	6	3.57	2.79
96 WAYNE	7	7.09	25	5.10	4.82
97 WILKES	1	1.64	9	2.99	3.37
98 WILSON	8	12.43	26	8.12	7.44
99 YADKIN	2	6.81	3	2.05	1.66
100 YANCEY	2	12.84	8	10.46	6.82

* SEE SECTION I

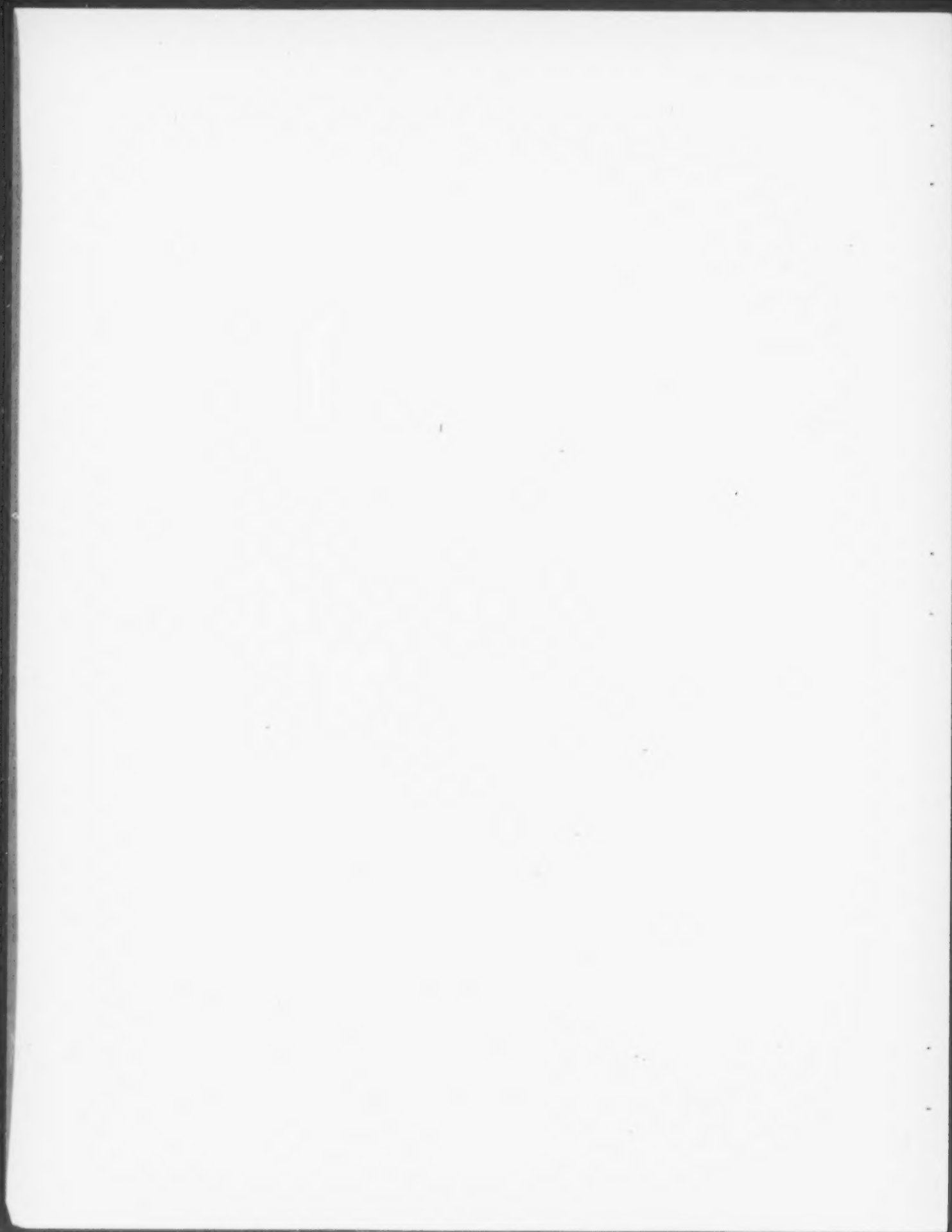
STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE STOMACH

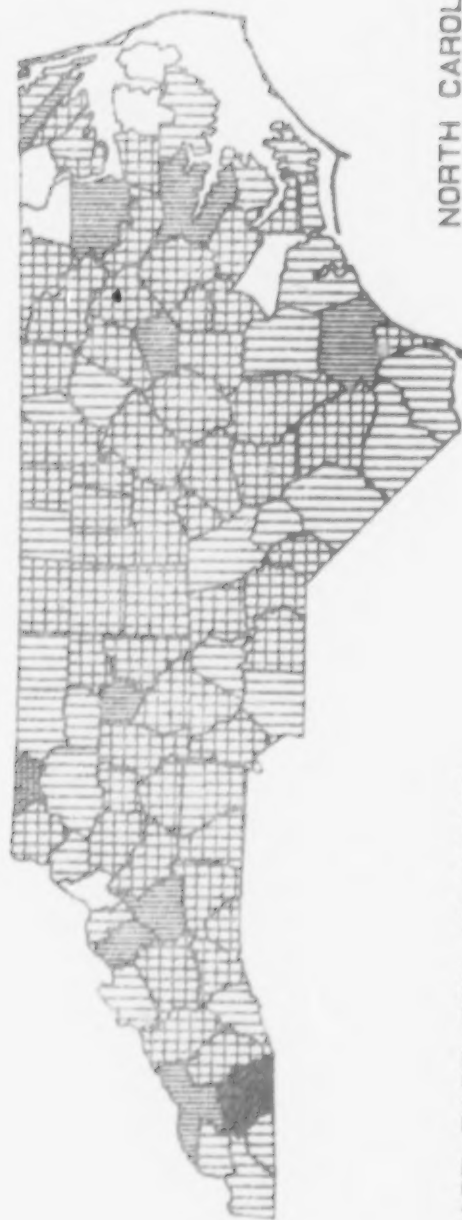
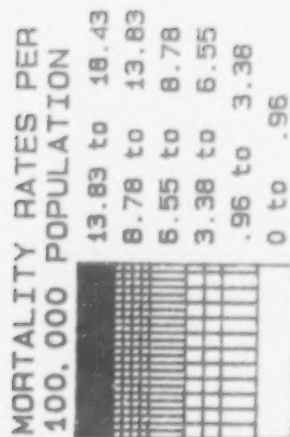


NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 10.A



CANCER OF THE STOMACH



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 10.B

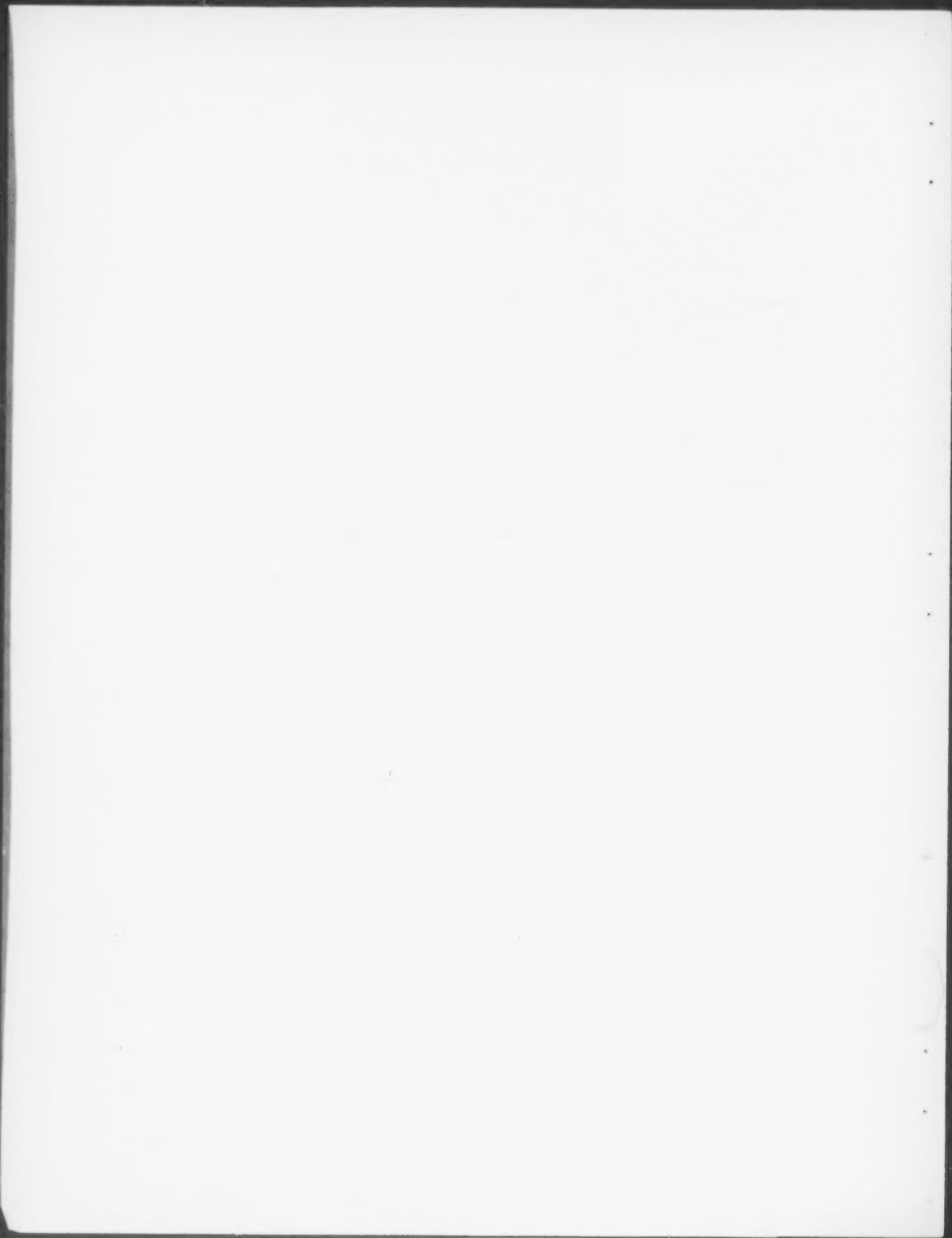


TABLE 11
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF COLON, RECTUM AND ANUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	1215	19.42	5571	18.27	18.27
REGIONS					
DHR I WESTERN	423	19.73	2029	19.42	18.36
DHR II N. CENTRAL	272	20.63	1245	19.22	18.30
DHR III S. CENTRAL	233	15.91	1085	15.32	17.58
DHR IV EASTERN	287	21.60	1212	18.70	19.15
HSA I WESTERN	214	19.95	1045	19.89	17.76
HSA II PIEDMONT	240	20.61	1095	19.14	18.55
HSA III S. PIEDMONT	209	19.51	984	18.95	19.26
HSA IV CAPITAL	161	17.78	714	16.53	17.53
HSA V CARDINAL	157	16.57	746	16.07	17.76
HSA VI EASTERN	234	21.38	987	18.43	19.15
COUNTIES					
1 ALAMANCE	29	28.36	105	20.80	18.04
2 ALEXANDER	8	30.05	22	16.83	20.74
3 ALLEGHANY	4	41.27	10	20.41	12.64
4 ANSON	6	22.87	19	14.65	10.84
5 ASHE	6	25.61	20	17.33	17.83*
6 AVERY	2	13.33	8	10.74	8.55
7 BEAUFORT	9	20.80	38	17.98	16.41
8 BERTIE	4	18.74	28	26.24	23.05
9 BLADEN	9	29.27	23	14.97	13.94
10 BRUNSWICK	11	24.14	32	15.51	15.70
11 BUNCOMBE	34	20.20	195	23.65	19.12
12 BURKE	13	17.20	58	15.61	15.59
13 CABARRUS	11	11.94	83	18.40	16.05
14 CALDWELL	10	14.23	51	14.88	15.70
15 CAMDEN	2	34.39	7	24.24	19.65
16 CARTERET	18	36.93	51	22.33	19.80
17 CASHWELL	3	13.36	9	8.31	8.75
18 CATAWBA	19	16.87	101	18.44	22.01
19 CHATHAM	7	19.79	27	15.56	13.07
20 CHEROKEE	2	9.89	15	15.24	12.31
21 CHOWAN	8	60.79	22	34.34	25.28
22 CLAY	2	28.46	7	20.01	11.60
23 CLEVELAND	16	18.56	102	24.19	22.53
24 COLUMBUS	6	11.52	28	10.80	10.48
25 CRAVEN	16	20.13	59	15.67	18.57
26 CUMBERLAND	24	9.37	126	9.96	19.58
27 CURRITUCK	4	31.02	15	24.47	23.91
28 DARE	5	28.99	23	29.34	24.46
29 DAVIDSON	20	16.88	99	17.10	16.88
30 DAVIE	3	10.83	29	21.41	21.37
31 DUPLIN	9	21.64	35	16.93	14.44
32 DURHAM	47	29.07	160	20.24	20.19
33 EDGEcombe	14	23.96	52	18.17	16.36
34 FORSYTH	46	17.79	256	20.28	19.38
35 FRANKLIN	6	18.30	24	15.28	10.40
36 GASTON	31	18.04	144	17.20	17.38
37 GATES	3	31.97	13	28.37	26.48
38 GRAHAM	2	27.82	10	28.11	19.97
39 GRANVILLE	7	19.09	41	22.95	19.91
40 GREENE	5	30.29	14	17.13	16.93
41 GUILFORD	75	22.97	331	20.54	20.43

* SEE SECTION I

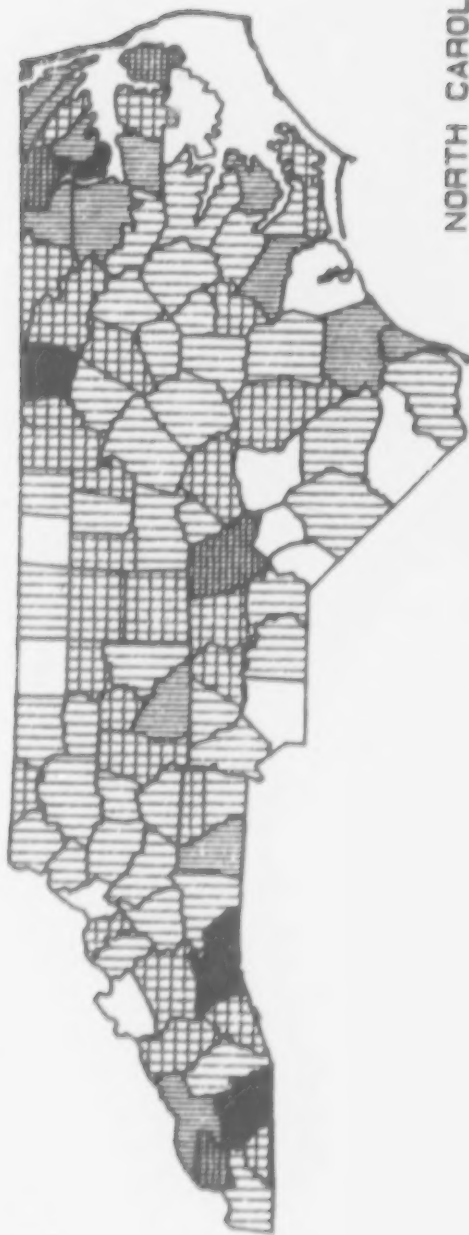
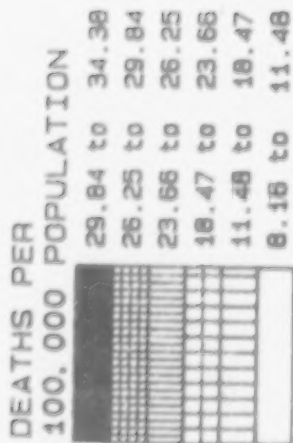
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF COLON, RECTUM AND ANUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	12	21.44	58	20.83	17.65
43 HARNEY	9	14.28	61	19.76	20.93
44 HAYWOOD	10	20.87	46	19.47	22.84
45 HENDERSON	24	36.26	106	33.45	23.14
46 HERTFORD	8	33.43	31	26.11	21.58
47 Hoke	2	8.88	9	8.16	6.82
48 HYDE	2	33.50	3	10.06	9.00
49 IREDELL	21	24.06	97	22.69	20.72
50 JACKSON	5	18.54	18	13.40	12.79
51 JOHNSTON	10	13.01	65	17.60	17.08
52 JONES	4	40.94	12	24.55	22.06
53 LEE	6	14.79	34	17.63	17.65
54 LENOIR	16	26.45	60	19.89	19.98
55 LINCOLN	8	17.52	44	20.03	24.56
56 McDOWELL	13	35.83	32	17.71	15.84
57 MACON	9	39.00	35	31.54	27.53
58 MADISON	2	11.63	8	9.28	6.42
59 MARTIN	2	7.90	18	13.60	12.34
60 MECKLENBURG	85	19.20	393	18.46	21.22
61 MITCHELL	2	13.73	14	19.45	11.30
62 MONTGOMERY	5	21.04	27	23.21	21.11
63 MOORE	13	23.72	79	29.83	21.70
64 NASH	11	15.53	73	20.98	21.35
65 NEW HANOVER	31	27.67	136	25.00	25.51
66 NORTHAMPTON	1	4.47	24	21.38	18.00
67 ONSLOW	16	13.06	51	8.67	19.58
68 ORANGE	11	13.33	50	12.52	16.44
69 PAMLICO	4	36.44	14	26.15	20.39
70 PASQUOTANK	8	27.25	33	22.93	20.09
71 PENDER	5	20.47	29	24.82	20.07
72 PERQUIMANS	3	29.13	12	24.43	18.82
73 PERSON	4	13.22	19	12.70	11.44
74 PITT	21	21.90	80	16.97	20.25
75 POLK	4	27.80	24	34.37	19.79
76 RANDOLPH	25	25.71	94	19.81	20.76
77 RICHMOND	3	6.50	41	17.95	15.39
78 ROBESON	18	16.97	67	12.81	13.02
79 ROCKINGHAM	16	18.75	74	17.41	15.99
80 ROWAN	31	29.96	124	24.41	19.93
81 RUTHERFORD	5	8.78	50	17.96	14.42
82 SAMPSON	12	23.83	53	21.16	20.00
83 SCOTLAND	3	8.92	16	9.60	10.55
84 STANLY	12	23.91	56	22.79	20.18
85 STOKES	3	8.48	18	10.37	11.25
86 SURRY	11	18.08	55	18.22	18.19
87 SWAIN	2	18.69	13	24.56	18.67
88 TRANSYLVANIA	7	27.36	26	21.09	17.01
89 TYRRELL	0	0.00	4	19.24	13.35
90 UNION	10	12.80	43	11.47	13.66
91 VANCE	7	18.26	39	20.80	17.31
92 WAKE	48	13.56	228	13.90	18.45
93 WARREN	8	48.78	27	33.04	25.13
94 WASHINGTON	4	27.53	18	24.80	22.75
95 WATAUGA	3	8.77	21	12.51	11.38
96 WAYNE	18	18.24	90	18.36	20.33
97 WILKES	8	13.15	41	13.66	12.47
98 WILSON	7	10.87	49	15.32	15.41
99 YADKIN	9	30.64	25	17.10	15.25
100 YANCEY	2	12.84	12	15.70	9.98

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

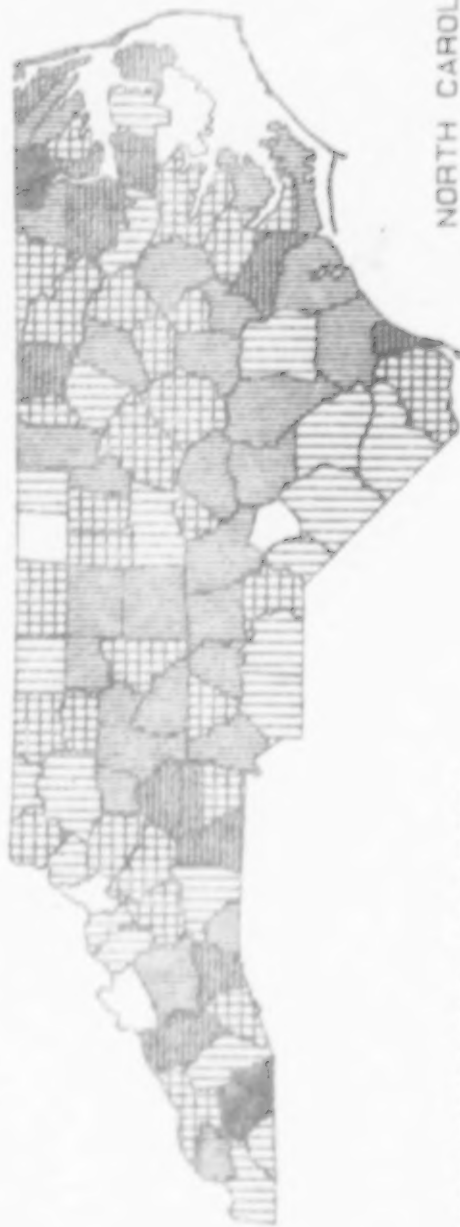
CANCER OF THE COLON, RECTUM, AND ANUS



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 11.A

CANCER OF THE COLON, RECTUM, AND ANUS



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 11.b



TABLE 12
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	593	9.48	2627	9.27	9.27
REGIONS					
DHR I WESTERN	207	9.65	1026	9.82	9.69
DHR II N. CENTRAL	136	10.31	628	9.69	9.26
DHR III S. CENTRAL	127	8.67	564	8.24	9.39
DHR IV EASTERN	123	9.25	589	9.08	9.17
HSA I WESTERN	110	10.25	533	10.14	9.43
HSA II PIEDMONT	124	10.65	561	9.80	9.59
HSA III S. PIEDMONT	97	9.05	493	9.49	9.90
HSA IV CAPITAL	74	8.17	351	8.12	8.66
HSA V CARDINAL	80	8.44	403	8.68	9.31
HSA VI EASTERN	108	9.86	486	9.07	9.28
COUNTIES					
1 ALABAMA	12	11.73	53	10.50	9.12
2 ALEXANDER	0	0.00	5	3.82	6.95
3 ALLEGANY	1	10.31	6	12.24	7.57
4 ANSON	7	26.68	13	10.02	8.11
5 ASHE	4	17.07	14	13.86	8.38
6 AVERY	0	0.00	3	4.03	3.28
7 BEAUFORT	4	9.24	19	8.99	7.05
8 BERTIE	6	28.11	17	15.95	11.58
9 BLADEN	1	3.25	15	9.76	9.16
10 BRUNSWICK	2	4.39	10	4.84	4.64
11 BURLINGAME	19	11.29	84	10.19	8.74
12 BURKE	4	9.29	27	7.26	6.25
13 CABARRUS	12	13.03	41	9.09	8.47
14 CALDWELL	7	9.96	34	9.92	10.21
15 CAMDEN	1	17.19	4	13.85	11.84
16 CARTERET	4	8.20	30	13.14	9.97
17 CASHWELL	1	4.45	10	9.23	8.46
18 CATAWBA	12	10.65	53	9.67	9.66
19 CHATHAM	3	8.48	11	6.34	5.99
20 CHEROKEE	1	4.94	10	10.16	10.13
21 CHOWAN	2	15.19	8	12.48	7.79
22 CLAY	2	26.46	8	22.87	13.05
23 CLEVELAND	7	8.12	43	10.19	9.95
24 COLUMBUS	4	7.68	26	10.03	9.82
25 CRAVEN	3	3.77	25	6.63	8.36
26 CUMBERLAND	15	5.85	69	5.45	10.76
27 CURRITUCK	1	7.75	5	8.15	9.12
28 DARE	4	23.19	10	12.75	8.84
29 DAVIDSON	10	8.44	60	10.36	11.06
30 DAVIE	1	3.61	10	7.38	6.32
31 DUPLIN	6	14.42	26	12.58	11.28
32 DURHAM	20	12.37	73	9.23	9.29
33 EDGEcombe	2	3.42	19	6.64	6.40
34 FORSYTH	25	9.67	126	9.98	9.87
35 FRANKLIN	4	12.20	17	10.82	7.24
36 GASTON	14	8.15	78	9.32	10.25
37 GATES	0	0.00	5	10.91	5.21
38 GRAHAM	0	0.00	3	8.43	4.90
39 GRANVILLE	4	10.91	15	8.39	8.02
40 GREENE	1	6.05	7	8.56	9.52
41 GUILFORD	41	12.55	155	9.61	9.65

* SEE SECTION I

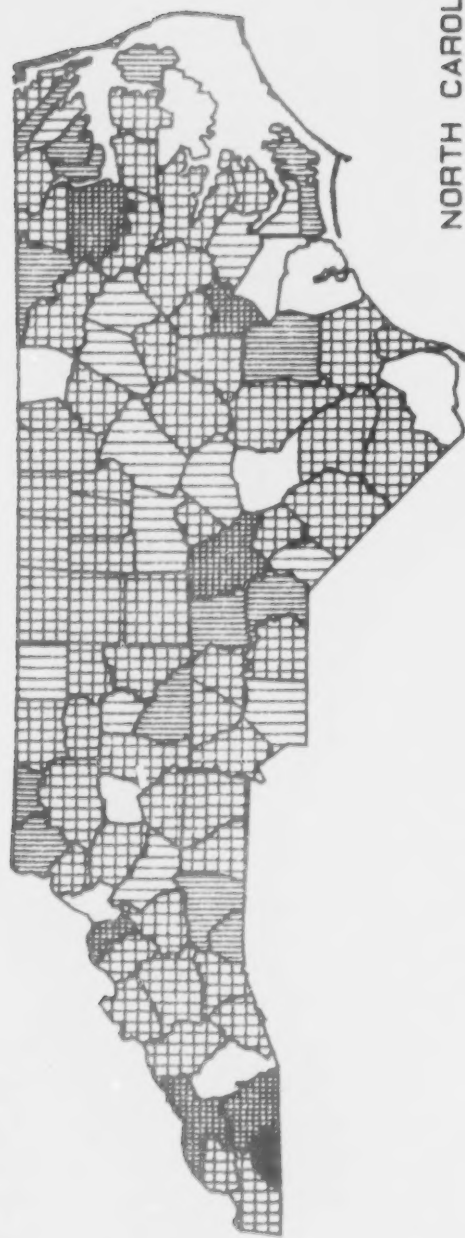
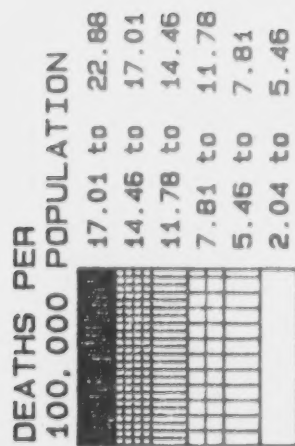
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF PANCREAS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	8	14.29	28	10.05	8.60
43 HARNETT	1	1.58	21	6.80	7.13
44 HAYWOOD	6	12.52	26	11.00	7.04
45 HENDERSON	9	13.59	29	9.15	7.32
46 HERTFORD	4	16.71	10	8.42	8.06
47 HOKE	3	13.33	11	9.98	11.10
48 HYDE	0	0.00	1	3.35	1.50
49 IREDELL	6	6.87	43	10.05	10.22
50 JACKSON	0	0.00	6	4.46	4.57
51 JOHNSTON	4	5.20	36	9.74	9.43
52 JONES	0	0.00	1	2.04	2.19
53 LEE	2	4.93	17	8.81	9.03
54 LENOIR	10	16.53	46	15.25	15.68
55 LINCOLN	5	10.95	23	10.47	9.39
56 MCDOWELL	6	16.53	18	9.96	9.84
57 MACON	4	17.33	18	16.22	7.80
58 MADISON	2	11.63	10	11.60	7.53
59 MARTIN	4	15.00	15	11.33	10.80
60 MECKLENBURG	39	8.81	198	9.30	10.55
61 MITCHELL	3	20.60	11	15.28	20.58*
62 MONTGOMERY	0	0.00	15	12.89	11.04
63 MOORE	8	14.59	42	15.86	11.93
64 NASH	4	5.65	25	7.18	6.99
65 NEW HANOVER	6	5.35	56	10.29	10.30
66 NORTHAMPTON	7	31.30	14	12.47	12.74
67 ONSLOW	7	5.71	21	3.57	8.45
68 ORANGE	10	12.12	33	8.26	10.60
69 PAMLICO	0	0.00	5	9.34	6.68
70 PASQUOTANK	0	0.00	11	7.64	6.81
71 PENDER	3	12.28	11	9.41	8.91
72 PERQUIMANS	2	19.42	6	12.21	7.49
73 PERSON	1	3.30	15	10.03	9.07
74 PITT	12	12.51	45	9.54	10.75
75 POLK	1	6.95	10	14.32	8.75
76 RANDOLPH	8	8.22	42	8.85	10.75
77 RICHMOND	6	13.00	33	14.45	12.43
78 ROBESON	12	11.31	47	8.99	9.82
79 ROCKINGHAM	11	12.89	46	10.82	9.86
80 ROWAN	10	9.66	65	12.80	10.28
81 RUTHERFORD	5	8.78	37	13.29	12.98
82 SAMPSON	6	11.91	21	8.38	7.75
83 SCOTLAND	6	17.85	13	7.80	7.34
84 STANLY	4	7.97	20	8.14	5.95
85 STOKES	2	5.65	13	7.49	8.84
86 SURRY	9	14.79	30	9.94	8.63
87 SWAIN	4	37.38	9	17.00	11.97
88 TRANSYLVANIA	1	3.90	13	10.54	7.43
89 TYRRELL	0	0.00	2	9.62	10.55
90 UNION	7	8.96	25	6.67	7.49
91 VANCE	3	7.82	16	8.53	5.94
92 WAKE	23	6.50	114	6.95	9.12
93 WARREN	0	0.00	4	4.89	4.55
94 WASHINGTON	2	13.76	7	9.64	9.31
95 WATAUGA	4	11.70	16	9.53	8.81
96 WAYNE	8	8.11	45	9.18	10.41
97 WILKES	7	11.51	29	9.66	10.03
98 WILSON	6	9.32	29	9.06	8.81
99 YADKIN	4	13.62	16	10.94	7.65
100 YANCEY	1	6.42	9	11.77	7.13

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE PANCREAS



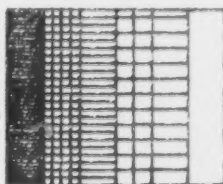
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 12.A

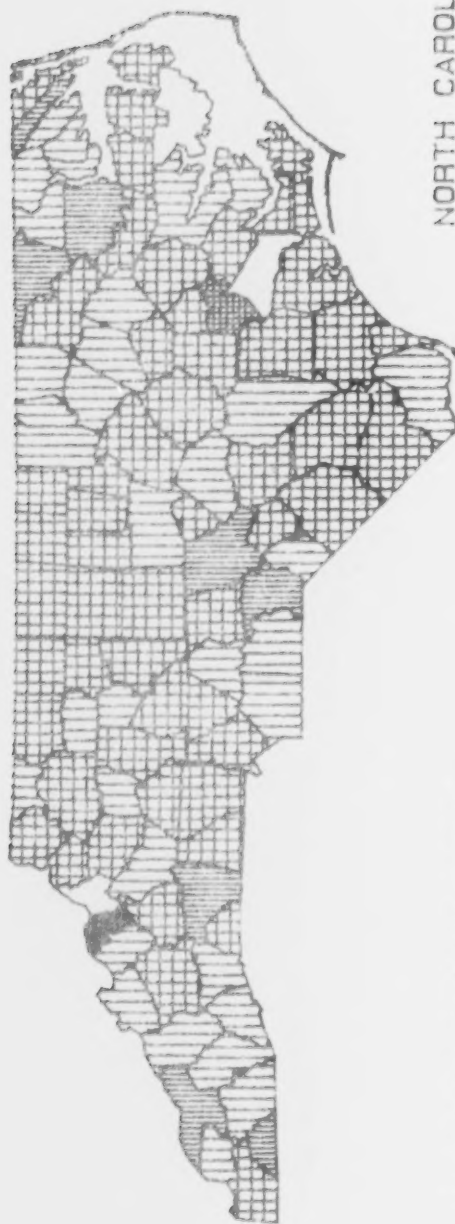


CANCER OF THE PANCREAS

MORTALITY RATES PER
100,000 POPULATION



15.69 to 20.59
13.06 to 15.69
11.29 to 13.06
8.12 to 11.29
3.29 to 8.12
1.5 to 3.29



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 12.B



TABLE 13
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	3105	49.64	14088	46.22	46.22
REGIONS					
DHR I WESTERN	1093	50.99	4803	45.99	43.26
DHR II N. CENTRAL	627	47.55	3040	46.94	44.63
DHR III S. CENTRAL	674	46.04	2977	42.05	49.35
DHR IV EASTERN	711	53.52	3268	50.42	52.43
HSA I WESTERN	576	53.71	2453	46.70	41.42
HSA II PIEDMONT	554	47.59	2639	46.12	44.28
HSA III S. PIEDMONT	517	48.27	2350	45.26	45.65
HSA IV CAPITAL	416	45.96	1930	44.69	49.62
HSA V CARDINAL	466	49.19	2055	44.27	49.48
HSA VI EASTERN	576	52.63	2661	49.69	52.68
COUNTIES					
1 ALAMANCE	57	55.74	253	50.14	42.29
2 ALEXANDER	11	41.32	45	34.44	41.23
3 ALLEGHANY	9	92.86	33	67.37	73.41*
4 ANSON	13	49.55	62	47.80	45.29
5 ASHE	11	46.96	58	50.26	46.18
6 AVERY	8	53.34	37	49.71	37.40
7 BEAUFORT	16	36.98	109	51.57	48.26
8 BERTIE	10	46.85	64	59.99	61.19
9 BLADEN	15	48.79	91	59.24	55.52
10 BRUNSWICK	33	72.43	114	55.25	49.45
11 BUNCOMBE	128	76.06	460	55.80	46.08
12 BURKE	41	54.27	148	39.84	38.91
13 CABARRUS	44	47.79	214	47.46	43.39
14 CALDWELL	34	48.40	151	44.07	43.92
15 CAMDEN	4	68.79	12	41.55	38.10
16 CARTERET	32	65.66	159	69.64	59.40
17 CASWELL	4	17.82	45	41.55	39.96
18 CATAWBA	65	57.72	238	43.45	44.68
19 CHATHAM	14	39.58	76	43.82	40.39
20 CHEROKEE	8	39.59	47	47.75	48.31
21 CHOWAN	7	53.19	42	65.55	49.04
22 CLAY	2	28.46	23	65.75	35.82
23 CLEVELAND	38	44.10	168	39.84	38.09
24 COLUMBUS	26	49.92	124	47.83	45.53
25 CRAVEN	31	39.00	153	40.63	51.67
26 CUMBERLAND	103	40.22	403	31.88	59.29
27 CURRITUCK	11	85.31	40	65.26	58.00
28 DARE	7	40.59	40	51.03	37.33
29 DAVIDSON	66	55.70	250	43.19	42.16
30 DAVIE	8	28.90	53	39.14	38.27
31 DUPLIN	33	79.34	113	54.68	47.98
32 DURHAM	98	60.63	407	51.50	55.62
33 EDGEcombe	26	44.51	145	50.69	54.61
34 FORSYTH	128	49.51	560	44.38	44.21
35 FRANKLIN	17	51.86	95	60.48	54.09
36 GASTON	70	40.75	404	48.27	48.41
37 GATES	11	117.25	33	72.02	61.93
38 GRAHAM	5	69.55	25	70.28	52.26
39 GRANVILLE	18	49.09	93	52.07	48.39
40 GREENE	11	66.64	45	55.09	62.05
41 GUILFORD	159	48.69	809	50.20	50.47

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	33	58.96	156	56.02	50.83
43 HARNETT	27	42.85	136	44.06	46.21
44 HAYWOOD	32	66.79	123	52.07	43.52
45 HENDERSON	34	51.37	164	51.75	44.61
46 HERTFORD	12	50.15	59	49.69	46.56
47 HOKE	9	39.99	32	29.04	40.44
48 HYDE	4	67.01	19	63.77	54.16
49 IREDELL	42	48.13	185	43.27	39.11
50 JACKSON	16	59.33	53	39.46	37.50
51 JOHNSTON	34	44.26	187	50.64	47.50
52 JONES	8	81.88	17	34.78	31.37
53 LEE	18	44.39	94	48.75	49.89
54 LENOIR	37	61.17	185	61.35	59.53
55 LINCOLN	14	30.67	76	34.60	30.94
56 McDOWELL	21	57.88	77	42.63	36.04
57 MACON	8	34.67	63	56.77	53.74
58 MADISON	10	58.16	38	44.10	28.31
59 MARTIN	18	67.53	70	52.89	47.63
60 MECKLENBURG	233	52.65	942	44.25	50.85
61 MITCHELL	9	61.81	38	52.80	32.33
62 MONTGOMERY	11	46.29	50	42.98	38.40
63 MOORE	34	62.04	153	57.78	43.71
64 NASH	42	59.32	159	45.69	44.51
65 NEW HANOVER	65	58.02	308	56.63	58.04
66 NORTHAMPTON	12	53.66	66	58.81	55.65
67 ONSLOW	33	26.93	142	24.14	49.56
68 ORANGE	26	31.53	132	33.07	44.83
69 PAMLICO	9	81.99	45	84.06	70.17
70 PASQUOTANK	19	64.72	79	54.89	53.67
71 PENDER	11	45.03	61	52.22	44.16
72 PERQUIMANS	8	77.68	37	75.32	55.17
73 PERSON	13	42.97	61	40.79	36.83
74 PITT	36	37.55	205	43.49	53.22
75 POLK	11	76.45	55	78.76	56.02
76 RANDOLPH	33	33.93	187	39.42	35.98
77 RICHMOND	32	69.33	116	50.81	46.41
78 ROBESON	53	49.98	218	41.70	52.66
79 ROCKINGHAM	38	44.53	191	44.94	40.82
80 ROWAN	55	53.16	266	52.38	41.49
81 RUTHERFORD	19	33.36	114	40.95	36.24
82 SAMPSON	23	45.68	124	49.52	44.23
83 SCOTLAND	11	32.73	63	37.83	46.38
84 STANLY	24	47.82	111	45.18	40.86
85 STOKES	18	50.92	81	46.67	47.31
86 SURRY	30	49.32	150	49.71	44.71
87 SWAIN	5	46.73	27	51.01	43.04
88 TRANSYLVANIA	11	43.00	66	53.54	46.16
89 TYRRELL	4	96.92	18	86.60	77.03
90 UNION	35	44.80	152	40.57	46.70
91 VANCE	20	52.19	101	53.86	50.43
92 WAKE	153	43.24	633	38.61	51.25
93 WARREN	5	30.48	51	62.41	55.90
94 WASHINGTON	6	41.29	37	50.98	48.80
95 WATAUGA	8	23.41	47	28.00	44.06
96 WAYNE	54	54.74	205	41.82	48.80
97 WILKES	25	41.11	112	37.32	33.46
98 WILSON	42	65.26	207	64.72	66.67
99 YADKIN	13	44.27	60	41.05	36.49
100 YANCEY	7	44.94	43	56.27	36.22

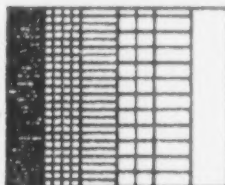
* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

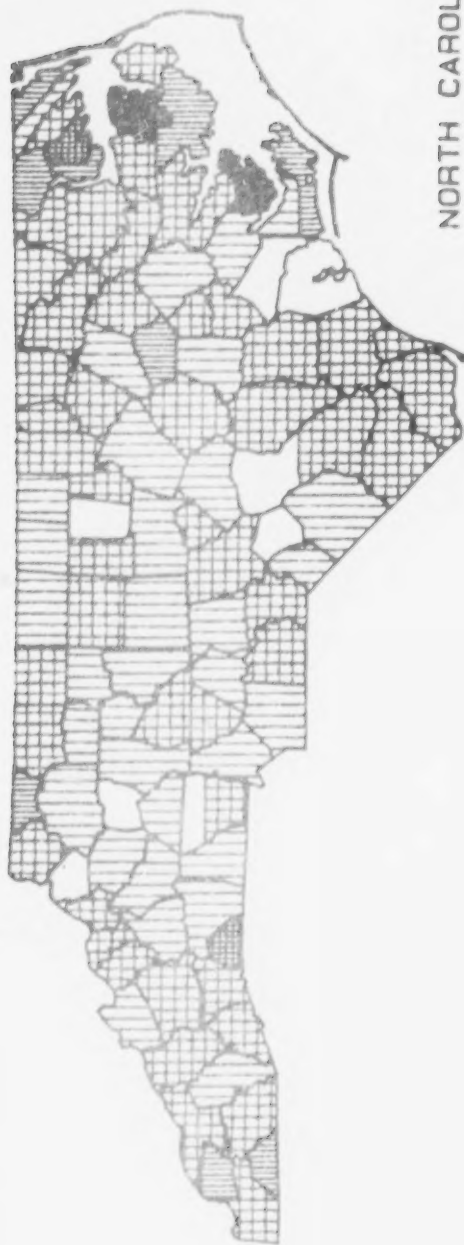
CANCER OF TRACHEA, BRONCHUS, AND LUNG

DEATHS PER

100,000 POPULATION



78.77 to 86.61
72.03 to 78.77
62.42 to 72.03
45.7 to 62.42
34.79 to 45.7
24.14 to 34.79



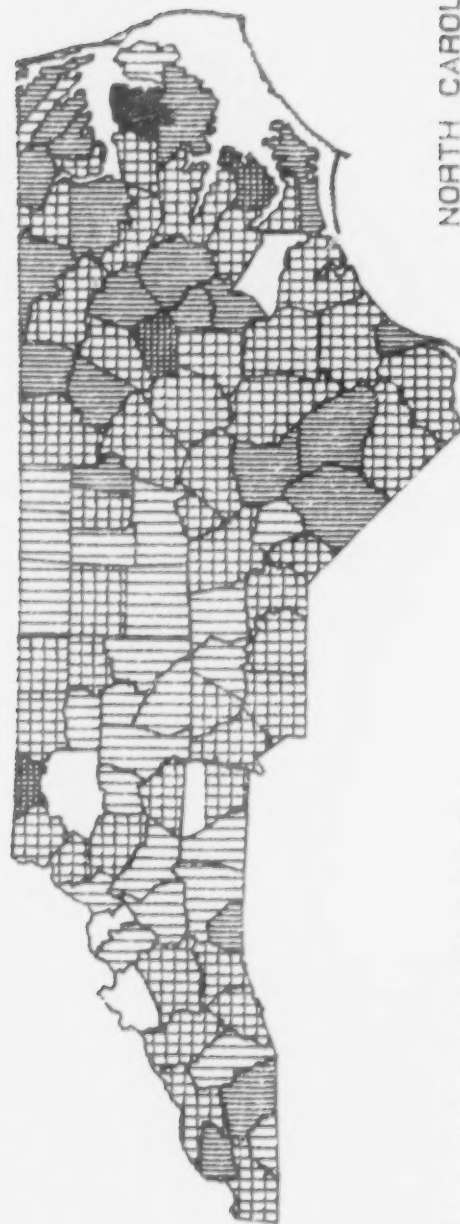
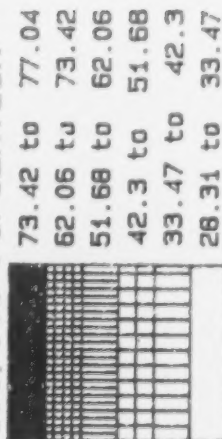
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 13.A



CANCER OF TRACHEA, BRONCHUS, AND LUNG

MORTALITY RATES PER
100,000 POPULATION



AGE--RACE--SEX ADJUSTED

NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 13.B



TABLE 14
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF FEMALE PREAST

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	1042	32.44	4449	28.37	28.37
REGIONS					
DHR I WESTERN	370	33.39	1572	29.10	27.67
DHR II N. CENTRAL	229	33.41	1017	30.16	28.92
DHR III S. CENTRAL	231	30.98	959	26.54	29.99
DHR IV EASTERN	212	31.48	901	27.35	27.48
HSA I WESTERN	181	32.71	808	29.81	26.75
HSA II PIEDMONT	200	32.99	895	30.01	29.11
HSA III S. PIEDMONT	189	34.08	764	28.39	28.37
HSA IV CAPITAL	146	31.30	635	28.45	30.53
HSA V CARDINAL	152	31.70	599	25.46	27.92
HSA VI EASTERN	174	31.50	748	27.60	27.74
COUNTIES					
1 ALAMANCE	23	42.78	87	32.81	28.53
2 ALEXANDER	4	29.88	18	27.38	32.32
3 ALLEGHANY	2	39.94	5	19.77	12.97
4 ANSON	10	71.89	27	39.20	36.11
5 ASHE	5	41.55	21	35.48	51.33
6 AVERY	2	26.51	10	26.79	21.77
7 BEAUFORT	8	35.35	34	30.69	27.47
8 BERTIE	7	62.38	25	44.43	42.09
9 BLADEN	3	18.95	17	21.44	19.29
10 BRUNSWICK	7	30.25	34	32.42	31.16
11 BUNCOMBE	37	41.82	155	35.76	30.22
12 BURKE	7	18.11	38	19.98	16.66
13 CABARRUS	19	39.76	81	34.59	31.40
14 CALDWELL	13	36.26	40	22.87	24.76
15 CAMDEN	0	0.00	6	40.62	36.59
16 CARTERET	6	24.57	33	28.80	26.00
17 CASWELL	2	17.70	16	29.27	30.88
18 CATAWBA	20	34.45	81	28.66	29.55
19 CHATHAM	6	33.42	25	28.35	26.89
20 CHEROKEE	2	19.04	16	31.33	21.28
21 CHOWAN	4	57.00	17	49.81	45.35
22 CLAY	4	113.15	10	56.86	39.53
23 CLEVELAND	13	29.06	58	26.49	25.08
24 COLUMBUS	5	18.49	24	17.80	18.62
25 CRAVEN	10	25.90	47	25.65	31.36
26 CUMBERLAND	28	22.96	111	18.42	27.43
27 CURRITUCK	0	0.00	7	23.46	21.58
28 DARE	1	11.55	7	17.81	13.08
29 DAVIDSON	23	37.85	86	28.98	30.22
30 DAVIE	8	57.15	19	27.71	30.30
31 DUPLIN	8	37.01	36	33.46	30.46
32 DURHAM	24	27.95	132	31.36	31.69
33 EDGEcombe	9	28.89	36	23.58	25.10
34 FORSYTH	50	36.71	202	30.35	29.21
35 FRANKLIN	6	35.39	25	30.70	26.38
36 GASTON	29	32.37	110	25.21	24.72
37 GATES	1	21.47	6	26.24	14.51
38 GRAHAM	0	0.00	2	11.18	9.00
39 GRANVILLE	3	16.40	29	32.38	25.61
40 GREENE	1	11.90	6	14.38	13.77
41 GUILFORD	52	30.32	278	32.76	32.62

* SPE SECTION I

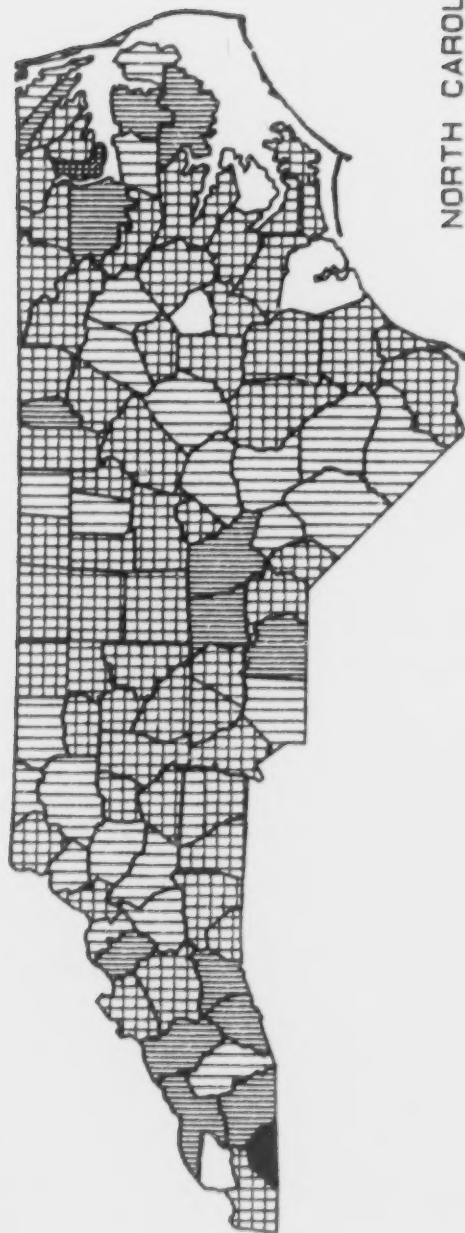
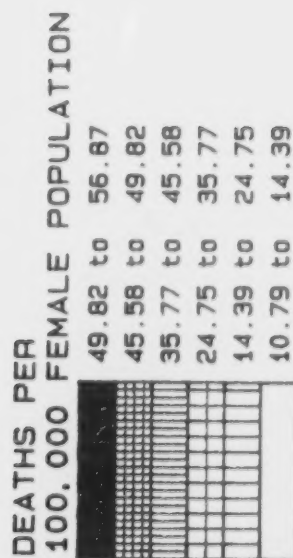
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF FEMALE BREAST CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	11	38.00	45	31.12	25.79
43 HARNETT	8	24.84	30	19.00	19.57
44 HAYWOOD	11	44.45	46	37.72	40.29
45 HENDERSON	14	40.62	66	40.01	29.50
46 HERTFORD	3	24.25	17	27.55	24.28
47 HOKE	3	26.24	12	21.40	27.45
48 HYDE	1	32.87	6	39.38	31.79
49 IREDELL	19	42.19	65	29.43	28.36
50 JACKSON	4	28.94	17	24.74	26.82
51 JOHNSTON	7	17.61	45	23.51	21.91
52 JONES	2	38.45	7	26.94	22.56
53 LEE	6	28.38	29	28.83	28.96
54 LENOIR	12	37.67	53	33.30	32.12
55 LINCOLN	7	30.08	25	22.32	26.53
56 MCDOWELL	0	0.00	17	18.29	18.43
57 MACON	4	33.57	23	40.23	22.87
58 MADISON	3	34.39	11	25.11	17.62
59 MARTIN	0	0.00	22	31.61	28.12
60 MECKLENBURG	80	34.84	309	27.90	30.40
61 MITCHELL	1	13.40	9	24.41	17.09
62 MONTGOMERY	10	82.96	25	42.23	37.55
63 MOORE	15	53.03	62	45.31	37.22
64 NASH	13	35.09	44	24.12	21.38
65 NEW HANOVER	21	35.86	75	26.36	26.54
66 NORTHAMPTON	6	53.30	18	31.64	35.64
67 ONSLOW	7	14.00	33	13.73	23.08
68 ORANGE	15	34.92	49	23.52	32.22
69 PAMLICO	0	0.00	3	10.79	9.71
70 PASQUOTANK	5	32.92	24	32.14	31.09
71 PENDER	5	40.26	20	33.60	31.56
72 PERQUIMANS	2	37.23	8	31.18	26.60
73 PERSON	5	31.96	16	20.67	18.85
74 PITT	17	33.64	75	30.12	35.92
75 POLK	2	26.51	11	30.01	20.79
76 RANDOLPH	18	36.08	65	26.72	30.39
77 RICHMOND	7	29.18	34	28.60	26.52
78 ROBESON	12	21.74	56	20.50	27.57
79 ROCKINGHAM	13	29.34	64	28.97	26.75
80 ROWAN	17	31.86	84	32.06	27.23
81 RUTHERFORD	8	26.93	48	33.04	26.61
82 SAMPSON	10	38.40	41	31.59	28.32
83 SCOTLAND	8	45.77	31	35.69	39.30
84 STANLY	11	42.33	43	33.80	30.81
85 STOKES	4	22.19	23	25.98	23.72
86 SURRY	4	12.70	36	23.04	22.54
87 SWAIN	2	35.97	12	43.65	37.73
88 TRANSYLVANIA	8	61.53	24	38.33	27.67
89 TYRRELL	2	91.86	5	45.57	44.15
90 UNION	7	17.54	47	24.57	28.02
91 VANCE	11	55.21	39	39.84	35.16
92 WAKE	59	32.87	233	27.93	34.05
93 WARREN	4	47.09	13	30.59	28.12
94 WASHINGTON	4	53.51	9	24.09	24.89
95 WATAUGA	4	22.97	20	23.36	21.73
96 WAYNE	19	37.52	69	27.38	27.27
97 WILKES	6	19.36	34	22.24	18.57
98 WILSON	15	44.16	50	29.57	28.43
99 YADKIN	3	20.12	19	25.57	18.58
100 YANCEY	5	62.68	16	40.92	68.65

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE FEMALE BREAST



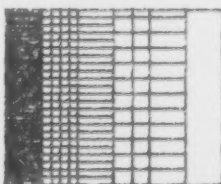
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 14.A

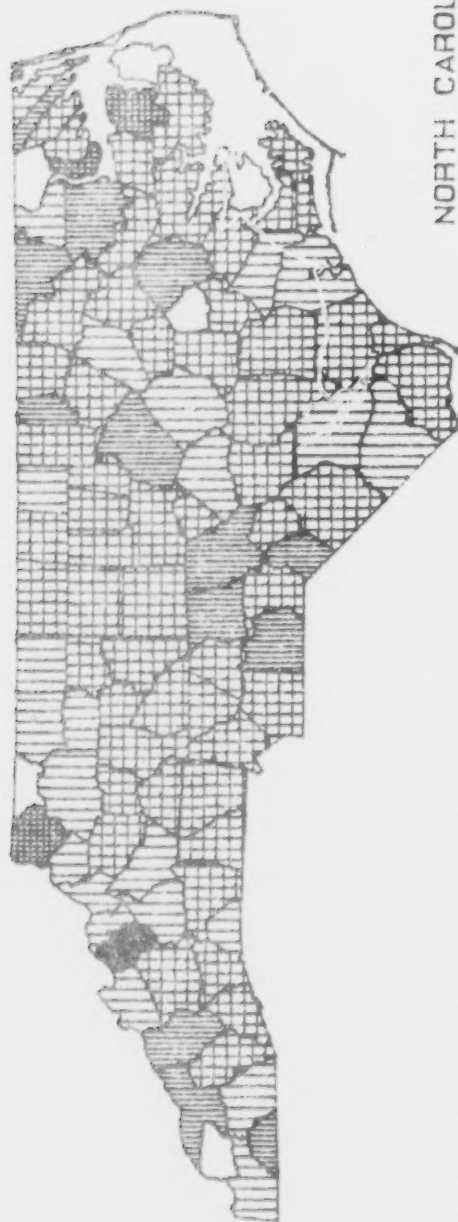


CANCER OF FEMALE BREAST

MORTALITY RATES PER
100,000 FEMALE POPULATION



51.34 to 58.66
42.1 to 51.34
32.63 to 42.1
24.29 to 32.63
14.52 to 24.29
9 to 14.52



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 14.B

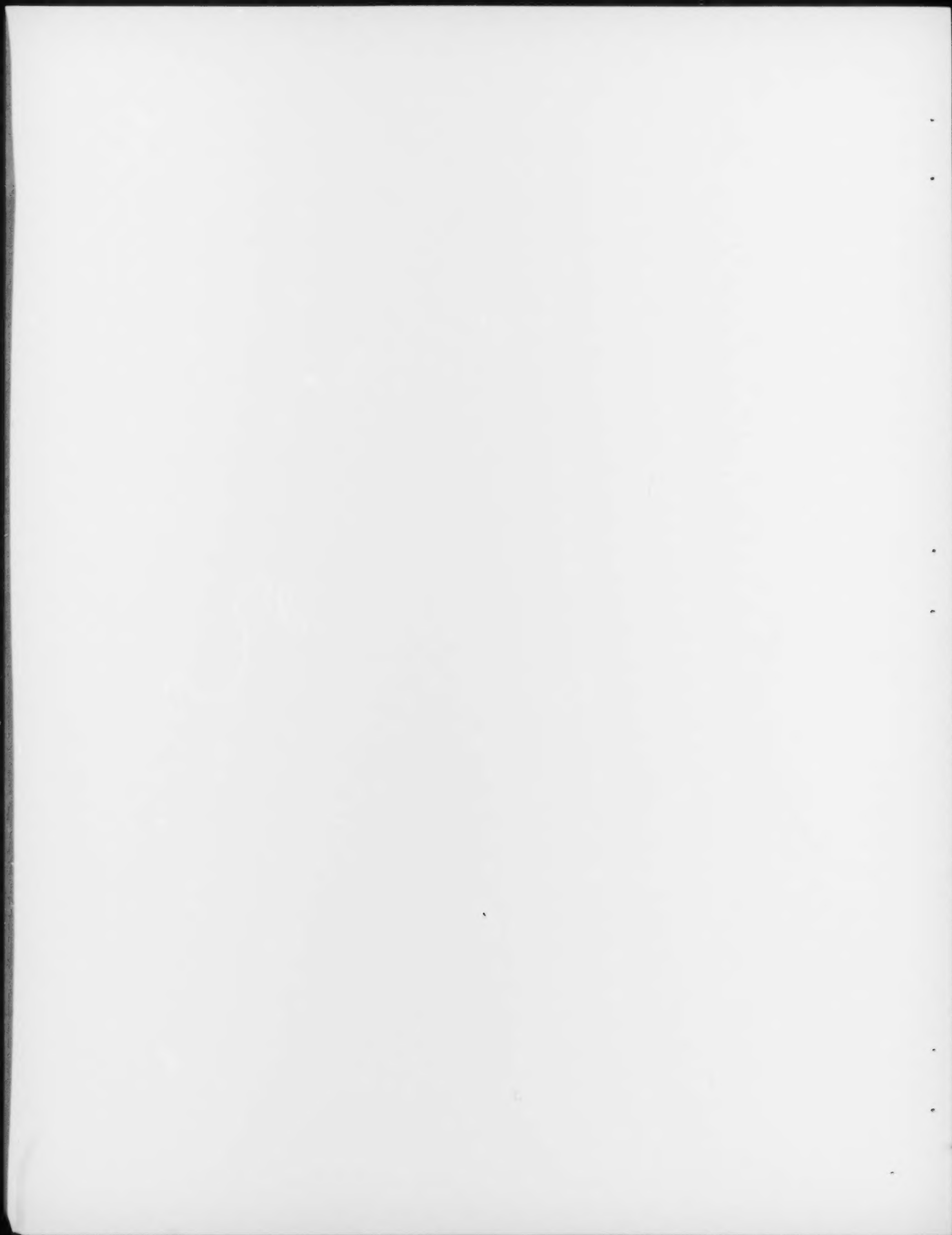


TABLE 15
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	161	5.01	779	4.96	4.96
REGIONS					
DWR I WESTERN	44	3.97	235	4.35	4.79
DWR II N. CENTRAL	39	5.69	179	5.31	5.19
DWR III S. CENTRAL	38	5.09	168	4.65	4.69
DWR IV EASTERN	40	5.93	197	5.98	5.26
HSA I WESTERN	23	4.15	129	4.76	5.55
HSA II PIEDMONT	37	6.10	153	5.13	5.20
HSA III S. PIEDMONT	21	3.78	106	3.93	4.23
HSA IV CAPITAL	19	4.07	92	4.12	4.01
HSA V CARDINAL	28	5.83	125	5.31	5.22
HSA VI EASTERN	33	5.97	174	6.42	5.55
COUNTIES					
1 ALAMANCE	3	5.58	16	6.03	5.59
2 ALEXANDER	0	0.00	1	1.52	1.11
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	1	7.18	6	8.71	5.33
5 ASHE	0	0.00	0	0.00	0.00
6 AVERY	0	0.00	1	2.67	2.75
7 BEAUFORT	1	4.41	9	8.12	7.00
8 BERTIE	1	8.91	6	10.66	8.17
9 BLADEN	0	0.00	4	5.04	4.66
10 BRUNSWICK	0	0.00	4	3.81	3.84
11 BUNCOMBE	3	3.39	28	6.46	6.33
12 BURKE	2	5.17	9	4.73	7.32
13 CABARRUS	1	2.09	7	2.98	3.03
14 CALDWELL	2	5.57	9	5.14	9.29
15 CAMDEN	0	0.00	2	13.54	13.61
16 CARTERET	1	4.09	8	6.98	7.00
17 CASWELL	2	17.70	4	7.31	6.66
18 CATAWBA	4	6.89	15	5.30	6.89
19 CHATHAM	0	0.00	0	0.00	0.00
20 CHEROKEE	0	0.00	1	1.95	1.54
21 CHOWAN	0	0.00	1	2.93	1.41
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	0	0.00	8	3.65	3.68
24 COLUMBUS	1	3.69	5	3.70	3.37
25 CRAVEN	1	2.59	7	3.82	3.97
26 CUMBERLAND	4	3.28	24	3.98	5.70
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	0	0.00	0.00
29 DAVIDSON	3	4.93	15	5.05	6.17
30 DAVIE	0	0.00	3	4.37	6.32
31 DUPLIN	1	4.62	6	5.57	4.67
32 DURHAM	6	6.98	19	4.51	3.96
33 ENGELOMBE	4	12.84	16	10.48	8.34
34 FORSYTH	11	8.07	31	4.65	4.43
35 FRANKLIN	0	0.00	2	2.45	2.06
36 GASTON	5	5.58	24	5.50	5.24
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	5.59	4.70
39 GRANVILLE	1	5.46	10	11.16	7.08
40 GREENE	0	0.00	4	9.58	6.87
41 GUILFORD	10	5.83	46	5.42	5.44

* SEE SECTION I

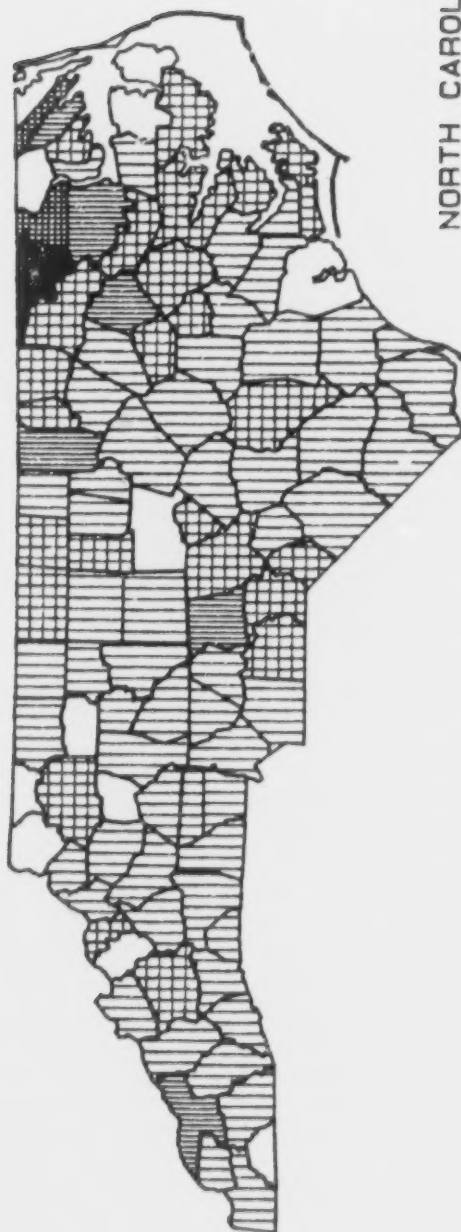
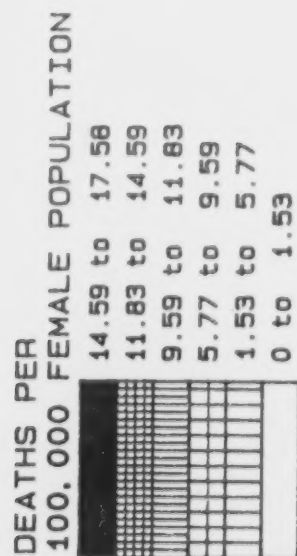
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF CERVIX UTERI CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	2	6.90	12	8.29	6.31
43 HARNETT	0	0.00	7	4.43	4.69
44 HAYWOOD	1	4.04	5	4.10	2.94
45 HENDERSON	1	2.90	7	4.24	2.97
46 HERTFORD	1	8.08	9	14.58	11.39
47 HOKE	0	0.00	3	5.35	4.92
48 HYDE	0	0.00	1	6.56	4.02
49 IREDELL	3	6.66	11	4.98	5.03
50 JACKSON	1	7.23	2	2.91	2.69
51 JOHNSTON	3	7.54	11	5.74	5.62
52 JONES	0	0.00	1	3.84	1.78
53 LEE	2	9.46	7	6.96	7.10
54 LENOIR	2	6.27	8	5.02	3.88
55 LINCOLN	2	8.59	4	3.57	4.81
56 McDOWELL	0	0.00	5	5.38	4.30
57 MACON	1	8.39	3	5.24	2.91
58 MADISON	0	0.00	2	4.56	3.75
59 MARTIN	2	14.29	5	7.18	5.05
60 MECKLENBURG	5	2.17	40	3.61	3.66
61 MITCHELL	2	26.80	3	8.13	5.52
62 MONTGOMERY	3	24.88	7	11.82	11.17
63 MOORE	3	10.60	13	9.50	8.65
64 NASH	3	8.09	9	4.93	4.36
65 NEW HANOVER	6	10.24	12	4.21	4.12
66 NORTHAMPTON	1	8.88	10	17.57	9.78
67 ONSLOW	1	2.00	2	0.83	1.48
68 ORANGE	0	0.00	5	2.40	3.27
69 PAMLICO	0	0.00	2	7.19	4.10
70 PASQUOTANK	1	6.58	8	10.71	9.16
71 PENDER	0	0.00	2	3.36	1.70
72 PERQUIMANS	1	18.61	2	7.79	3.23
73 PERSON	0	0.00	3	3.87	3.57
74 PITT	4	7.91	18	7.23	6.58
75 POLK	1	13.25	1	2.72	2.37
76 RANDOLPH	1	2.00	8	3.28	4.12
77 RICHMOND	3	12.51	11	9.25	8.10
78 ROBESON	2	3.62	11	4.02	3.63
79 ROCKINGHAM	5	11.28	18	8.14	7.80
80 ROWAN	4	7.49	10	3.81	3.72
81 RUTHERFORD	2	6.73	8	5.50	5.11
82 SAMPSON	4	15.36	9	6.93	5.45
83 SCOTLAND	1	5.72	7	8.05	7.31
84 STANLY	1	3.84	3	2.35	3.78
85 STOKES	0	0.00	2	2.25	1.86
86 SURRY	1	3.17	9	5.76	7.01
87 SWAIN	0	0.00	3	10.91	10.63
88 TRANSYLVANIA	2	15.38	3	4.79	8.63
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	0	0.00	7	3.66	3.97
91 VANCE	1	5.01	8	8.17	7.01
92 WAKE	6	3.34	24	2.87	3.38
93 WARREN	0	0.00	3	7.05	6.10
94 WASHINGTON	0	0.00	2	5.35	3.26
95 WATAUGA	0	0.00	3	3.50	18.14
96 WAYNE	2	3.94	10	3.96	3.43
97 WILKES	1	3.22	11	7.19	7.58
98 WILSON	4	11.77	16	9.46	8.29
99 YADKIN	1	6.70	1	1.34	0.95
100 YANCEY	0	0.00	0	0.00	0.00

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE CERVIX UTERI



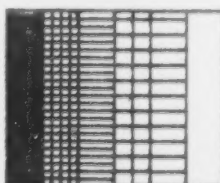
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 15.A

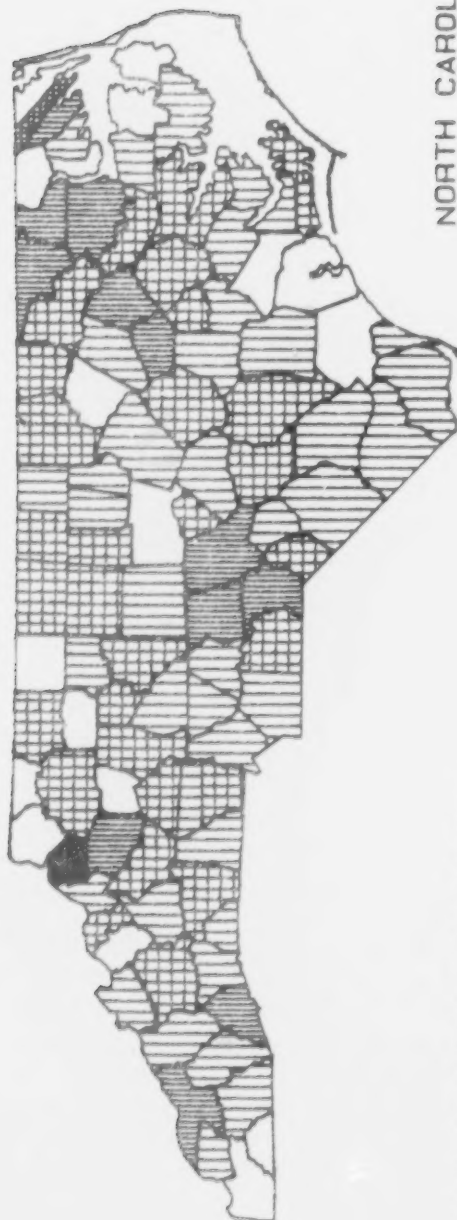


CANCER OF CERVIX UTERI

MORTALITY RATES PER
100,000 FEMALE POPULATION



13.62 to 18.15
11.4 to 13.62
7.81 to 11.4
4.93 to 7.81
2.07 to 4.93
0 to 2.07



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 15.B



TABLE 16
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF OVARY AND OTHER UTERINE ADNEXA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	288	8.96	1279	8.15	8.15
REGIONS					
DHR I WESTERN	115	10.38	457	8.46	7.84
DHR II N. CENTRAL	73	10.65	325	9.64	9.14
DHR III S. CENTRAL	50	6.70	225	6.22	7.11
DHR IV EASTERN	50	7.42	272	8.25	8.36
HSA I WESTERN	66	11.92	260	9.59	8.54
HSA II PIEDMONT	67	11.05	292	9.79	9.24
HSA III S. PIEDMONT	49	8.83	197	7.32	7.26
HSA IV CAPITAL	35	7.50	153	6.85	7.40
HSA V CARDINAL	29	6.04	159	6.75	7.56
HSA VI EASTERN	42	7.60	218	8.04	8.10
COUNTIES					
1 ALAMANCE	6	11.16	20	7.54	6.47
2 ALEXANDER	0	0.00	3	4.56	4.33
3 ALLEGHANY	1	19.97	2	7.90	5.36
4 ANSON	1	7.18	3	4.35	3.13
5 ASHE	1	8.31	6	10.13	6.86
6 AVERY	0	0.00	3	8.03	6.23
7 BEAUFORT	4	17.67	12	10.83	9.47
8 BERTIE	1	8.91	7	12.44	6.05
9 BLADEN	2	12.63	7	8.83	9.99
10 BRUNSWICK	1	4.32	13	12.39	12.54
11 BUNCOMBE	15	16.95	61	14.07	12.22
12 BURKE	4	10.34	11	5.78	8.28
13 CABARRUS	6	12.55	23	9.82	9.61
14 CALDWELL	2	5.57	16	9.14	9.50
15 CAMDEN	0	0.00	1	6.77	6.12
16 CARTERET	3	12.28	13	11.34	9.97
17 CASWELL	2	17.70	9	16.46	17.01
18 CATAWBA	9	15.50	26	9.20	8.62
19 CHATHAM	1	5.57	6	6.80	6.56
20 CHEROKEE	0	0.00	7	13.70	8.94
21 CHOWAN	2	28.50	3	8.79	5.71
22 CLAY	0	0.00	1	5.68	3.26
23 CLEVELAND	3	6.70	15	6.85	6.33
24 COLUMBUS	0	0.00	3	2.22	2.12
25 CRAVEN	4	10.36	12	6.55	8.70
26 CUMBERLAND	6	4.92	21	3.48	5.62
27 CURRITUCK	1	15.94	1	3.35	3.27
28 DARE	0	0.00	0	0.00	0.00
29 DAVIDSON	8	13.16	39	13.14	12.82
30 DAVIE	4	28.57	10	14.58	13.16
31 DUPLIN	1	4.62	12	11.15	9.61
32 DURHAM	5	5.82	25	5.94	6.02
33 EDGECOMBE	3	9.63	14	9.17	10.02
34 FORSYTH	9	6.60	59	8.86	8.76
35 FRANKLIN	1	5.89	6	7.37	7.42
36 GASTON	3	3.34	30	6.87	6.60
37 GATES	0	0.00	1	4.37	1.74
38 GRAHAM	1	27.64	3	16.78	12.55
39 GRANVILLE	0	0.00	5	5.58	4.05
40 GREENE	0	0.00	0	0.00	0.00
41 GUILFORD	18	10.49	83	9.78	9.73

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF OVARY AND OTHER UTERINE ADNEXA CONT'D.

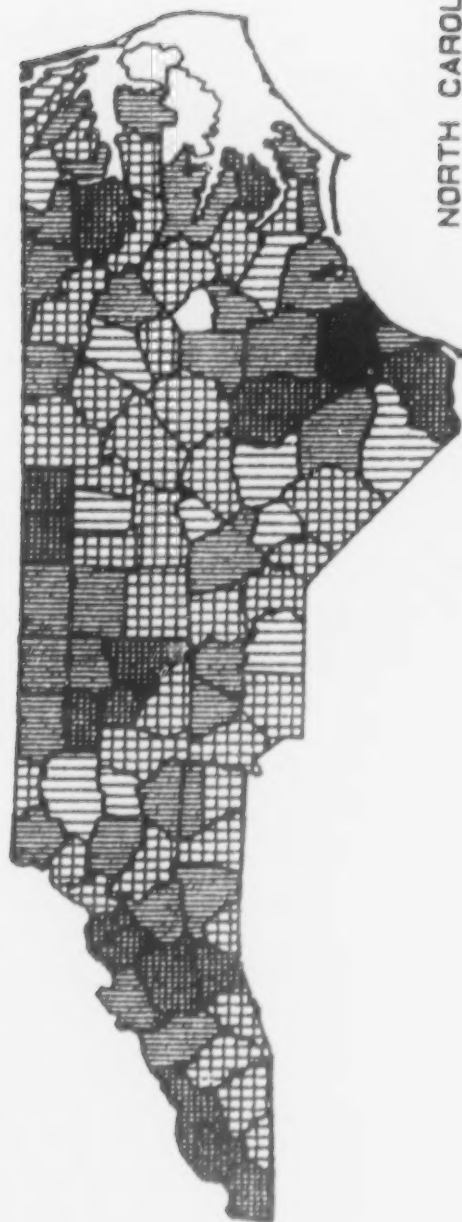
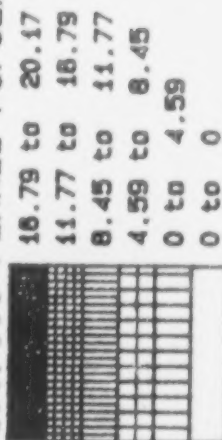
COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	3	10.36	10	6.91	6.76
43 HARNETT	4	12.42	11	6.96	6.99
44 HAYWOOD	5	20.20	11	9.02	5.56
45 HENDERSON	6	17.41	20	12.12	7.43
46 HERTFORD	1	8.08	7	11.34	7.17
47 HOKE	0	0.00	2	3.56	4.07
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	3	6.66	13	5.88	4.93
50 JACKSON	0	0.00	5	7.27	6.88
51 JOHNSTON	2	5.03	16	8.36	7.91
52 JONES	0	0.00	1	3.84	5.09
53 LEE	0	0.00	4	3.97	3.97
54 LENOIR	0	0.00	17	10.68	10.29
55 LINCOLN	1	4.29	10	8.93	8.19
56 McDOWELL	1	5.35	10	10.76	8.62
57 MACON	0	0.00	4	6.99	4.18
58 MADISON	2	22.93	4	9.13	7.43
59 MARTIN	2	14.29	5	7.18	9.06
60 MECKLENBURG	19	8.27	74	6.68	7.53
61 MITCHELL	1	13.40	5	13.56	8.58
62 MONTGOMERY	1	8.29	5	8.44	7.66
63 MOORE	0	0.00	12	8.76	7.16
64 NASH	2	5.39	6	3.29	3.21
65 NEW HANOVER	4	6.83	26	9.14	9.41
66 NORTHAMPTON	1	8.88	5	8.78	9.57
67 ONSLOW	4	8.00	22	9.15	17.18
68 ORANGE	2	4.65	8	3.84	5.42
69 PAMLICO	0	0.00	4	14.39	12.39
70 PASQUOTANK	0	0.00	7	9.37	8.99
71 PENDER	3	24.15	12	20.16	20.72
72 PERQUIMANS	0	0.00	2	7.79	5.04
73 PERSON	3	19.17	11	14.21	14.53
74 PITT	3	5.93	17	6.82	7.62
75 POLK	0	0.00	3	8.18	8.60
76 RANDOLPH	6	12.01	15	6.16	7.18
77 RICHMOND	1	4.17	6	5.04	4.33
78 ROBESON	3	5.43	16	5.85	8.20
79 ROCKINGHAM	7	15.79	21	9.50	8.52
80 ROWAN	7	13.12	21	8.01	6.26
81 RUTHERFORD	3	10.09	17	11.70	8.76
82 SAMPSON	3	11.52	17	13.10	11.56
83 SCOTLAND	0	0.00	5	5.75	6.32
84 STANLY	4	15.39	11	8.64	7.56
85 STOKES	3	16.64	8	9.03	10.32
86 SURRY	3	9.52	18	11.52	10.23
87 SWAIN	1	17.98	4	14.55	10.90
88 TRANSYLVANIA	3	23.07	5	7.98	5.68
89 TYRRELL	0	0.00	1	9.11	9.12
90 UNION	6	15.03	15	7.84	8.64
91 VANCE	1	5.01	6	6.13	4.33
92 WAKE	19	10.58	61	7.31	9.00
93 WARREN	1	11.77	5	11.76	8.91
94 WASHINGTON	0	0.00	2	5.35	3.32
95 WATAUGA	3	17.23	5	5.84	5.37
96 WAYNE	5	9.87	25	9.92	10.61
97 WILKES	4	12.91	7	4.58	3.84
98 WILSON	2	5.88	11	6.50	5.66
99 YADKIN	1	6.70	10	13.46	14.11
100 YANCEY	1	12.53	6	15.34	10.96

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

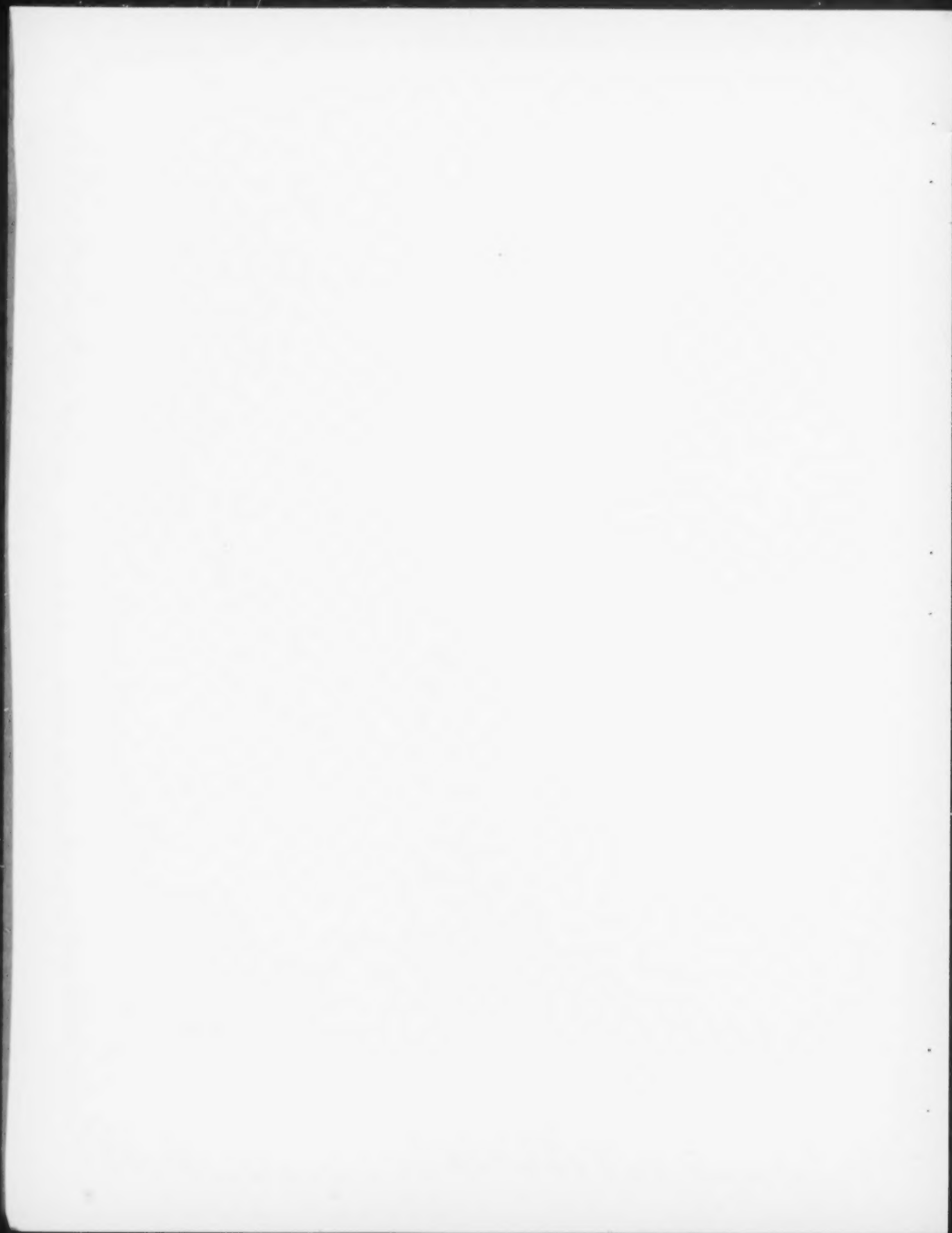
CANCER OF OVARY AND OTHER UTERINE ADNEXA

DEATHS PER
100,000 FEMALE POPULATION



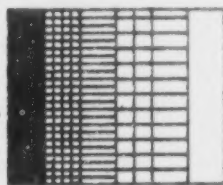
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 16.A

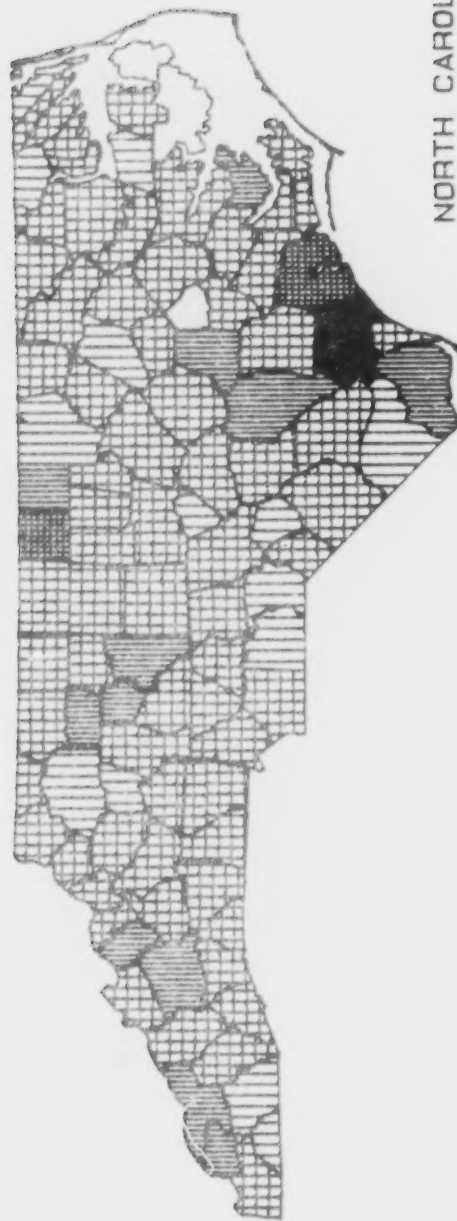


CANCER OF OVARY AND OTHER UTERINE ADNEXA

MORTALITY RATES PER
100,000 FEMALE POPULATION



17.19 to 20.73
14.54 to 17.19
10.33 to 14.54
4.34 to 10.33
0 to 4.34
0 to 0



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 16.B



TABLE 17
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CANCER OF PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	679	22.32	3265	22.05	22.05
REGIONS					
DHR I WESTERN	243	23.46	1086	21.53	21.48
DHR II N. CENTRAL	137	21.64	719	23.16	22.26
DHR III S. CENTRAL	153	21.29	680	19.61	22.06
DHR IV EASTERN	146	22.29	780	24.46	22.32
HSA I WESTERN	121	23.31	572	22.50	20.74
HSA II PIEDMONT	112	20.07	614	22.41	22.55
HSA III S. PIEDMONT	122	23.62	514	20.55	22.21
HSA IV CAPITAL	101	23.02	432	20.70	21.26
HSA V CARDINAL	101	21.58	487	21.27	22.35
HSA VI EASTERN	122	22.50	646	24.42	22.51
COUNTIES					
1 ALAMANCE	8	16.49	62	25.89	23.58
2 ALEXANDER	4	30.22	14	21.56	26.51
3 ALLEGHANY	1	21.34	4	16.88	9.86
4 ANSON	4	32.45	18	29.59	20.66
5 ASHE	6	52.67	19	33.79	19.05
6 AVERY	0	0.00	13	35.03	25.34
7 BEAUFORT	8	38.77	39	38.78	27.80
8 BERTIE	4	39.52	22	43.62	32.42
9 BLADEN	6	40.23	17	22.87	18.61
10 BRUNSWICK	5	22.30	17	16.75	15.12
11 BUNCOMBE	22	27.56	107	27.36	23.40
12 BURKE	3	8.13	29	15.99	21.00
13 CABARRUS	6	13.54	26	11.99	11.21
14 CALDWELL	7	20.34	25	14.90	16.88
15 CAMDEN	1	35.08	9	63.81	46.58
16 CARTERET	5	20.56	28	24.61	27.53
17 CASWELL	5	44.85	15	27.97	24.27
18 CATAWBA	8	14.66	43	16.21	21.09
19 CHATHAM	5	28.71	23	26.97	21.72
20 CHEROKEE	3	30.90	14	29.56	15.76
21 CHOWAN	4	65.13	14	46.76	26.82
22 CLAY	0	0.00	1	5.74	2.62
23 CLEVELAND	10	24.13	43	21.21	19.90
24 COLUMBUS	5	19.97	31	24.91	21.40
25 CRAVEN	4	9.78	34	17.58	21.75
26 CUMBERLAND	14	10.43	68	10.27	22.27
27 CURRITUCK	4	60.40	12	38.14	36.04
28 DARE	5	58.22	10	25.57	17.07
29 DAVIDSON	8	13.86	45	15.94	16.80
30 DAVIE	3	21.92	13	19.44	23.61
31 DUPLIN	4	20.02	32	32.30	25.48
32 DURHAM	16	21.11	87	23.54	22.03
33 EDGECOMBE	6	22.00	41	30.73	24.72
34 FORSYTH	32	26.15	141	23.64	23.12
35 FRANKLIN	8	50.55	20	26.43	15.39
36 GASTON	22	26.76	74	18.47	20.64
37 GATES	2	42.33	6	26.13	14.07
38 GRAHAM	0	0.00	3	16.95	7.95
39 GRANVILLE	2	10.88	25	28.07	18.86
40 GREENE	1	12.33	10	25.02	20.33
41 GUILFORD	35	22.57	202	26.47	26.82

* SEE SECTION I

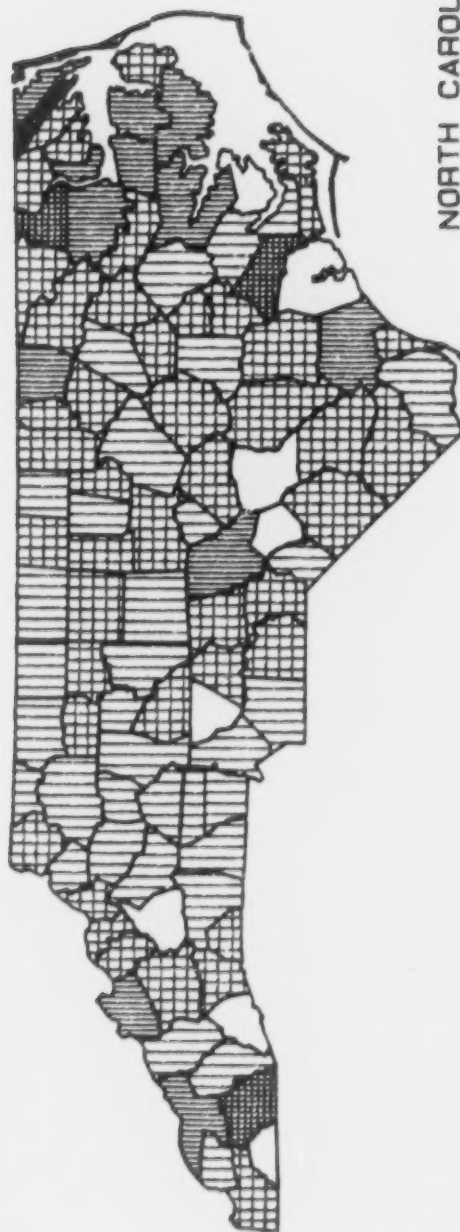
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CANCER OF PROSTATE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	7	25.91	38	28.39	18.47
43 HARNETT	9	29.21	47	31.17	33.28
44 HAYWOOD	4	17.27	23	20.12	14.07
45 HENDERSON	13	40.97	45	29.62	20.43
46 HERTFORD	7	60.57	29	50.86	30.16
47 HOKE	0	0.00	7	12.93	18.76
48 HYDE	2	68.32	6	41.20	23.64
49 IREDELL	9	21.31	45	21.77	19.46
50 JACKSON	4	30.42	14	21.34	17.28
51 JOHNSTON	11	29.67	41	23.04	22.59
52 JONES	3	65.65	12	52.41	33.91
53 LEE	5	25.75	18	19.51	19.29
54 LENOIR	4	13.96	37	25.98	21.60
55 LINCOLN	3	13.40	20	18.57	18.74
56 MCDOWELL	4	22.71	12	13.68	9.87
57 MACON	4	35.84	28	52.04	36.97*
58 MCDISON	5	59.03	16	37.78	21.48
59 MARTIN	0	0.00	18	28.68	19.63
60 MECKLENBURG	52	24.42	213	20.85	25.39
61 MITCHELL	3	42.25	12	34.18	17.23
62 MONTGOMERY	2	17.08	13	22.75	19.21
63 MOORE	10	37.71	50	39.08	26.00
64 NASH	7	20.74	35	21.13	20.39
65 NEW HANOVER	11	20.56	63	24.28	25.35
66 NORTHAMPTON	3	27.01	14	25.29	13.12
67 ONSLOW	11	15.16	25	7.18	23.57
68 ORANGE	7	17.71	29	15.19	18.39
69 PAMLICO	0	0.00	3	11.65	7.22
70 PASQUOTANK	2	14.11	19	27.43	22.55
71 PENDER	3	24.99	23	40.14	24.48
72 PERQUIMANS	2	40.60	8	34.09	15.49
73 PERSON	2	13.68	15	20.79	18.50
74 PITT	10	22.05	47	21.13	20.74
75 POLK	1	14.60	10	30.13	17.54
76 RANDOLPH	9	19.02	38	16.44	17.85
77 RICHMOND	9	40.58	25	22.84	18.13
78 ROBESON	12	23.60	64	25.63	22.43
79 ROCKINGHAM	3	7.31	35	17.15	15.84
80 ROWAN	15	29.93	71	28.88	23.06
81 RUTHERFORD	5	18.35	28	21.03	18.55
82 SAMPSON	4	16.46	28	23.21	17.76
83 SCOTLAND	7	43.40	16	20.08	23.96
84 STANLY	6	24.79	34	28.69	27.78
85 STOKES	3	17.32	17	19.98	25.85
86 SURRY	2	6.81	29	19.92	24.00
87 SWAIN	0	0.00	10	39.30	28.09
88 TRANSYLVANIA	2	15.89	5	13.19	8.38
89 TYRRELL	0	0.00	4	40.76	22.75*
90 UNION	9	23.54	31	16.90	19.48
91 VANCE	8	43.48	29	32.35	22.01
92 WAKE	32	18.35	129	16.02	22.71
93 WARREN	5	63.24	16	40.80	16.96
94 WASHINGTON	1	14.17	13	36.91	24.38
95 WATAUGA	3	17.89	12	14.59	10.87
96 WAYNE	6	12.50	43	18.05	19.17
97 WILKES	4	13.41	27	18.33	21.72
98 WILSON	9	29.62	38	25.20	19.55
99 YADKIN	4	27.66	17	23.65	23.33
100 YANCEY	5	65.80	12	32.15	16.97

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE PROSTATE



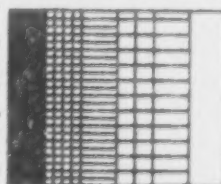
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 17.A

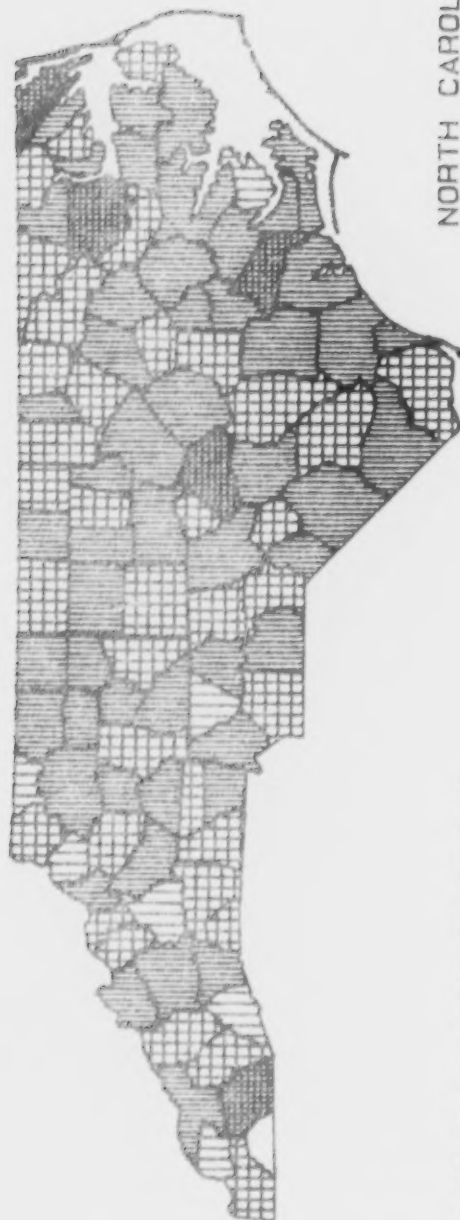


CANCER OF THE PROSTATE

MORTALITY RATES PER
100,000 MALE POPULATION



36.98 to 46.59
30.17 to 36.98
19.91 to 30.17
11.22 to 19.91
2.63 to 11.22
2.62 to 2.63



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE--RACE--SEX ADJUSTED

FIGURE 17.B



TABLE 18
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	394	6.30	1978	6.48	6.48
REGIONS					
DWR I WESTERN	157	7.32	712	6.81	6.38
DWR II N. CENTRAL	83	6.29	443	6.84	6.50
DWR III S. CENTRAL	84	5.73	403	5.69	6.44
DWR IV EASTERN	70	5.26	420	6.48	6.70
HSA I WESTERN	87	8.11	399	7.59	6.53
HSA II PIEDMONT	71	6.09	381	6.65	6.33
HSA III S. PIEDMONT	70	6.53	313	6.02	6.10
HSA IV CAPITAL	60	6.62	278	6.43	6.87
HSA V CARDINAL	55	5.80	270	5.81	6.57
HSA VI EASTERN	51	4.66	337	6.29	6.49
COUNTIES					
1 ALAMANCE	8	7.82	41	8.12	6.97
2 ALEXANDER	2	7.51	10	7.65	7.30
3 ALLEGHANY	1	10.31	3	6.12	3.95
4 ANSON	1	3.81	9	6.93	5.61
5 ASHE	4	17.07	12	10.39	6.53
6 AVERY	0	0.00	8	10.74	8.95
7 BEAUFORT	3	6.93	16	7.57	7.12
8 BERTIE	0	0.00	12	11.24	11.93
9 BLADEN	2	6.50	9	5.85	6.30
10 BRUNSWICK	5	10.97	8	3.87	3.98
11 BUNCOMBE	18	10.69	69	8.37	6.70
12 BURKE	7	9.26	25	6.73	6.88
13 CABARRUS	5	5.43	27	5.98	5.44
14 CALDWELL	4	5.69	22	6.42	6.56
15 CAMDEN	1	17.19	4	13.85	13.28
16 CARTERET	2	4.10	12	5.25	7.70
17 CASWELL	2	8.91	6	5.54	4.92
18 CATAWBA	7	6.21	32	5.84	5.91
19 CHATHAM	3	8.48	17	9.80	8.78
20 CHEROKEE	1	4.94	8	8.12	5.09
21 CHOWAN	0	0.00	6	9.36	9.63
22 CLAY	0	0.00	2	5.71	3.64
23 CLEVELAND	7	8.12	31	7.35	6.89
24 COLUMBUS	2	3.84	15	5.78	6.39
25 CRAVEN	2	2.51	18	4.78	4.95
26 CUMBERLAND	5	1.95	39	3.08	4.85
27 CURRITUCK	0	0.00	5	8.15	7.40
28 DARE	0	0.00	5	6.37	4.75
29 DAVIDSON	6	5.06	34	5.87	5.85
30 DAVIE	0	0.00	8	5.90	6.00
31 DUPLIN	4	9.61	16	7.74	6.55
32 DURHAM	10	6.18	51	6.45	6.38
33 EDGEcombe	0	0.00	18	6.29	6.44
34 FORSYTH	13	5.02	68	5.38	5.40
35 FRANKLIN	1	3.05	12	7.64	7.71
36 GASTON	12	6.98	53	6.33	6.38
37 GATES	1	10.65	3	6.54	8.28
38 GRAHAM	1	13.91	3	8.43	5.14
39 GRANVILLE	5	13.63	17	9.51	8.13
40 GREENE	1	6.05	6	7.34	9.37
41 GUILFORD	25	7.65	124	7.69	7.65

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	1	1.78	13	4.66	3.52
43 HARNETT	2	3.17	13	4.21	4.46
44 HAYWOOD	5	10.43	22	9.31	9.67*
45 HENDERSON	7	10.57	27	8.52	5.26
46 HERTFORD	1	4.17	10	8.42	7.41
47 HOKE	1	4.44	6	5.44	4.64
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	9	10.31	28	6.54	6.24
50 JACKSON	2	7.41	8	5.95	5.12
51 JOHNSTON	7	9.11	25	6.77	6.67
52 JONES	0	0.00	1	2.04	0.75
53 LEE	5	12.33	12	6.22	6.53
54 LENOIR	1	1.65	20	6.63	6.64
55 LINCOLN	3	6.57	13	5.91	5.82
56 MCCOY	3	8.26	7	3.87	3.01
57 MACON	0	0.00	8	7.20	3.03
58 MADISON	3	17.45	6	6.96	4.85
59 MARTIN	4	15.00	17	12.84	11.40
60 MECKLENBURG	29	6.55	124	5.82	6.59
61 MITCHELL	3	20.60	7	9.72	5.99
62 MONTGOMERY	2	8.41	13	11.17	10.34
63 MOORE	6	10.94	18	6.79	4.97
64 NASH	2	2.82	18	5.17	5.32
65 NEW HANOVER	10	8.92	49	9.01	9.15
66 NORTHAMPTON	2	8.94	17	15.14	16.25
67 ONSLOW	7	5.71	23	3.91	7.77
68 ORANGE	5	6.06	24	6.01	7.73
69 PAMLICO	0	0.00	1	1.86	1.41
70 PASQUOTANK	2	6.81	11	7.64	7.66
71 PENDER	2	8.18	11	9.41	8.42
72 PERQUIMANS	1	9.71	4	8.14	7.23
73 PERSON	1	3.30	12	8.02	7.82
74 PITT	5	5.21	32	6.78	7.88
75 POLK	3	20.85	11	15.75	8.19
76 RANDOLPH	3	3.08	26	5.48	4.62
77 RICHMOND	3	6.50	16	7.00	6.19
78 ROBESON	10	9.43	32	6.12	8.50
79 ROCKINGHAM	7	8.20	32	7.53	6.71
80 ROWAN	7	6.76	30	5.90	5.30
81 RUTHERFORD	3	5.26	23	8.26	7.17
82 SAMPSON	2	3.97	22	8.78	8.11
83 SCOTLAND	2	5.95	10	6.00	5.95
84 STANLY	1	1.99	14	5.69	5.04
85 STOKES	2	5.65	13	7.49	6.61
86 SURRY	4	6.57	21	6.96	7.10
87 SWAIN	0	0.00	5	9.44	9.10
88 TRANSYLVANIA	0	0.00	10	8.11	6.04
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	4	5.12	24	6.40	7.48
91 VANCE	2	5.21	14	7.46	6.94
92 WAKE	18	5.08	87	5.30	6.61
93 WARREN	3	18.29	7	8.56	5.01
94 WASHINGTON	3	20.64	6	8.26	11.02
95 WATAUGA	3	8.77	15	8.93	7.54
96 WAYNE	5	5.06	24	4.89	5.57
97 WILKES	2	3.28	19	6.33	6.13
98 WILSON	3	4.66	19	5.94	5.99
99 YADKIN	1	3.40	8	5.47	3.87
100 YANCEY	1	6.42	6	7.85	5.15

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

LEUKEMIA

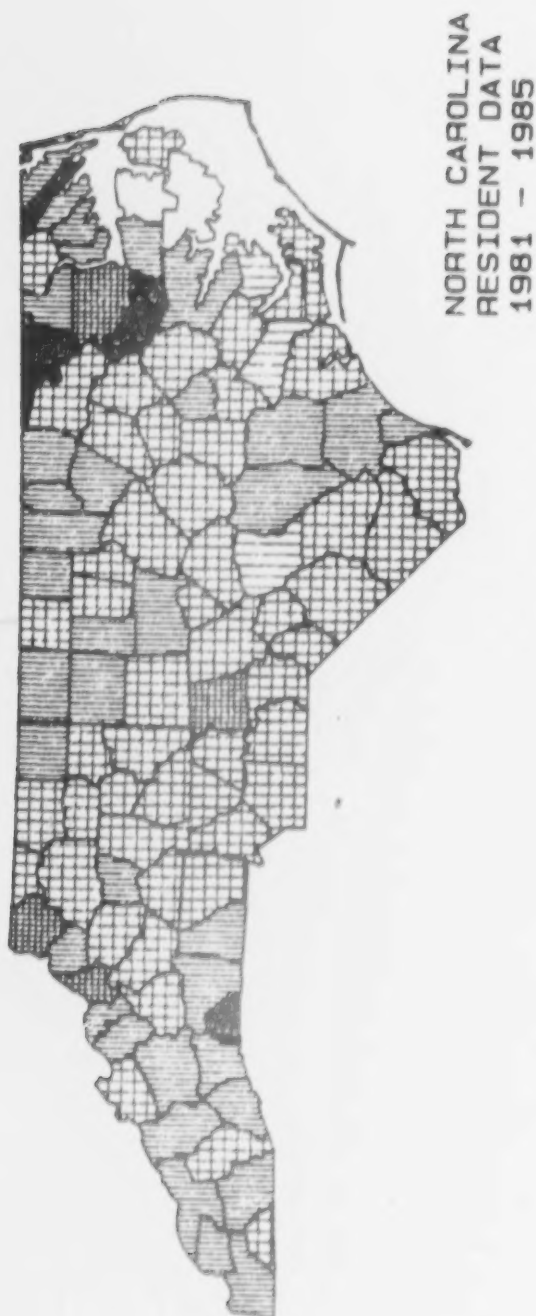


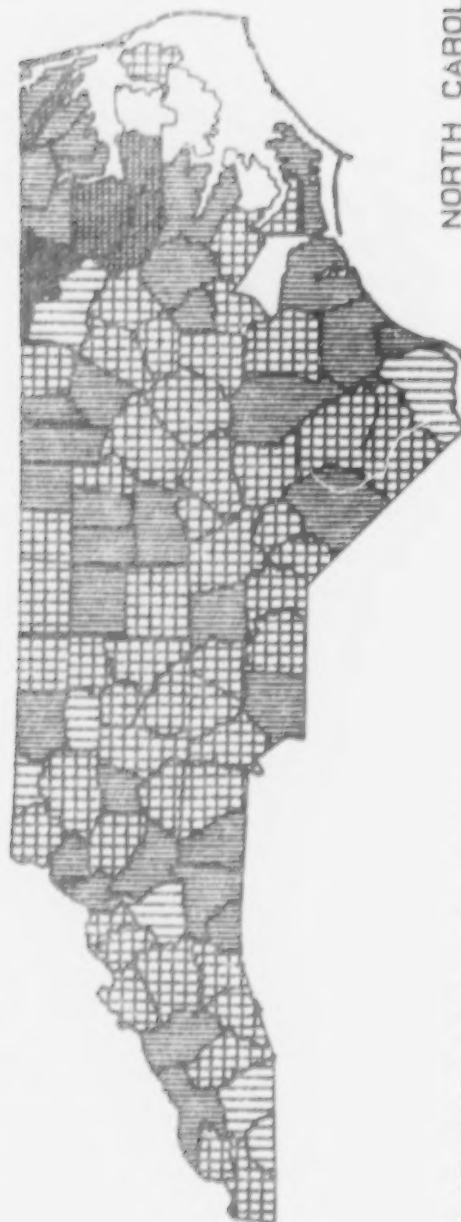
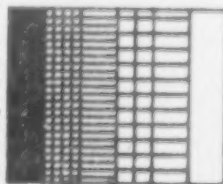
FIGURE 18.A



LEUKEMIA

MORTALITY RATES PER
100,000 POPULATION

13.29 to 16.26
10.35 to 13.29
6.72 to 10.35
3.99 to 6.72
1.42 to 3.99
0 to 1.42



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 18.B



TABLE 19
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	869	13.89	4175	13.69	13.69
REGIONS					
DHR I WESTERN	288	13.43	1414	13.53	14.18
DHR II N. CENTRAL	187	14.18	905	13.97	13.47
DHR III S. CENTRAL	187	12.77	929	13.12	14.23
DHR IV EASTERN	207	15.58	927	14.30	13.52
HSA I WESTERN	147	13.70	702	13.36	14.26
HSA II PIEDMONT	172	14.77	774	13.52	13.58
HSA III S. PIEDMONT	141	13.16	712	13.71	14.50
HSA IV CAPITAL	101	11.15	555	12.85	13.01
HSA V CARDINAL	131	13.82	635	13.68	14.18
HSA VI EASTERN	177	16.17	797	14.88	14.16
COUNTIES					
1 ALAMANCE	22	21.51	89	17.63	15.49
2 ALEXANDER	1	3.75	6	4.59	7.77
3 ALLEGHANY	0	0.00	3	6.12	3.67
4 ANSON	2	7.62	13	10.02	7.88
5 ASHE	1	4.26	16	13.86	8.14
6 AVERY	1	6.66	5	6.71	5.26
7 BEAUFORT	8	18.49	49	23.18	18.45
8 BERTIE	3	14.05	20	18.74	13.60
9 BLADEN	9	29.27	28	18.23	15.77
10 BRUNSWICK	9	19.75	22	10.66	10.46
11 BUNCOMBE	24	14.26	98	11.88	11.39
12 BURKE	7	9.26	51	13.75	15.14
13 CABARRUS	6	6.51	42	9.31	9.41
14 CALDWELL	10	14.23	71	20.72	25.81
15 CAMDEN	3	51.59	6	20.77	20.36
16 CARTERET	9	18.46	38	16.64	14.74
17 CASWELL	3	13.36	22	20.31	20.46
18 CATAWBA	20	17.76	74	13.51	16.53
19 CHATHAM	2	5.65	23	13.22	11.65
20 CHEROKEE	1	4.94	12	12.19	7.22
21 CHOWAN	3	22.79	10	15.60	9.90
22 CLAY	1	14.23	5	14.29	7.30
23 CLEVELAND	16	18.56	87	20.63	20.33
24 COLUMBUS	6	11.52	41	15.81	14.40
25 CRAVEN	7	8.80	31	8.23	8.88
26 CUMBERLAND	20	7.80	104	8.22	14.68
27 CURRITUCK	3	23.26	9	14.68	14.38
28 DARE	1	5.79	9	11.48	10.72
29 DAVIDSON	15	12.66	82	14.16	16.88
30 DAVIE	4	14.45	16	11.81	12.71
31 DUPLIN	14	33.66	54	26.13	20.59
32 DURHAM	20	12.37	111	14.04	12.48
33 EDGECOMBE	4	6.84	45	15.73	14.20
34 FORSYTH	41	15.85	166	13.15	12.69
35 FRANKLIN	2	6.10	27	17.19	14.28
36 GASTON	19	11.06	102	12.18	13.19
37 GATES	2	21.31	4	8.73	6.06
38 GRAHAM	0	0.00	4	11.24	31.35
39 GRANVILLE	3	8.18	27	15.11	10.93
40 GREENE	5	30.29	12	14.69	15.65
41 GUILFORD	48	14.70	195	12.10	12.16

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	15	26.80	60	21.54	16.78
43 HARNETT	8	12.69	60	19.44	20.71
44 HAYWOOD	8	16.69	21	8.89	5.75
45 HENDERSON	14	21.15	33	10.41	8.22
46 HERTFORD	5	20.89	27	22.74	14.14
47 HOKE	2	8.88	25	22.69	21.40
48 HYDE	0	0.00	5	16.78	12.57
49 IREDELL	18	20.62	76	17.77	17.41
50 JACKSON	1	3.70	13	9.67	16.13
51 JOHNSTON	9	11.71	51	13.81	13.68
52 JONES	3	30.70	5	10.23	6.98
53 LEE	2	4.93	26	13.48	13.34
54 LENOIR	3	4.96	34	11.27	9.92
55 LINCOLN	8	17.52	35	15.93	21.39
56 MCDOWELL	5	13.78	23	12.73	9.82
57 MACON	4	17.33	12	10.81	5.92
58 MADISON	2	11.63	15	17.41	39.74*
59 MARTIN	5	18.75	31	23.42	19.19
60 MECKLENBURG	52	11.75	270	12.68	14.22
61 MITCHELL	2	13.73	13	18.06	10.95
62 MONTGOMERY	3	12.62	15	12.89	11.30
63 MOORE	15	27.37	37	13.97	11.75
64 NASH	15	21.18	48	13.79	13.15
65 NEW HANOVER	14	12.49	56	10.29	10.21
66 NORTHAMPTON	3	13.41	24	21.38	13.76
67 ONSLOW	4	3.25	27	4.59	11.35
68 ORANGE	3	3.63	37	9.27	11.79
69 PAMLICO	3	27.33	8	14.94	9.10
70 PASQUOTANK	6	20.43	24	16.67	13.58
71 PENDER	1	4.09	11	9.41	6.43
72 PERQUIMANS	0	0.00	3	6.10	4.35
73 PERSON	3	9.91	19	12.70	10.29
74 PITT	16	16.69	62	13.15	12.88
75 POLK	4	27.80	15	21.48	11.69
76 RANDOLPH	9	9.25	44	9.27	11.65
77 RICHMOND	8	17.33	43	18.83	16.06
78 ROBESON	21	19.80	111	21.23	23.98
79 ROCKINGHAM	11	12.89	59	13.88	13.25
80 ROWAN	19	18.36	106	20.87	19.03
81 RUTHERFORD	11	19.31	30	10.77	10.84
82 SAMPSON	8	15.89	41	16.37	13.52
83 SCOTLAND	5	14.87	28	16.81	16.92
84 STANLY	8	15.94	42	17.09	19.47
85 STOKES	4	11.31	20	11.52	11.65
86 SURRY	12	19.72	53	17.56	15.94
87 SWAIN	1	9.34	14	26.45	24.69
88 TRANSYLVANIA	3	11.72	17	13.79	16.50*
89 TYRRELL	0	0.00	4	19.24	14.97
90 UNION	11	14.08	39	10.41	12.54
91 VANCE	6	15.65	41	21.86	17.47
92 WAKE	50	14.13	176	10.73	13.70
93 WARREN	1	6.09	17	20.80	15.53
94 WASHINGTON	1	6.88	13	17.91	19.86
95 WATAUGA	3	8.77	16	9.53	20.62
96 WAYNE	20	20.27	75	15.30	15.92
97 WILKES	4	6.57	36	11.99	14.05
98 WILSON	16	24.86	60	18.75	19.23
99 YADKIN	3	10.21	28	19.15	14.61
100 YANCEY	3	19.26	12	15.70	10.45

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

TABLE 20
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	1767	28.25	7197	23.61	23.61
REGIONS					
DHR I WESTERN	630	29.39	2696	25.81	23.81
DHR II N. CENTRAL	406	30.79	1541	23.79	22.56
DHR III S. CENTRAL	318	21.72	1363	19.25	22.73
DHR IV EASTERN	413	31.08	1597	24.64	25.60
HSA I WESTERN	357	33.29	1529	29.11	24.45
HSA II PIEDMONT	354	30.41	1311	22.91	22.07
HSA III S. PIEDMONT	273	25.49	1167	22.47	23.17
HSA IV CAPITAL	225	24.86	960	22.22	23.95
HSA V CARDINAL	219	23.11	879	18.93	21.97
HSA VI EASTERN	339	30.97	1351	25.22	26.40
COUNTIES					
1 ALAMANCE	23	22.49	98	19.42	17.49
2 ALEXANDER	9	33.81	24	18.36	18.77
3 ALLEGHANY	9	92.86	32	65.33	38.08
4 ANSON	11	41.92	70	53.97	46.12
5 ASHE	5	21.34	21	18.19	10.04
6 AVERY	10	66.68	25	33.58	28.96
7 BEAUFORT	24	55.47	70	33.12	28.02
8 BERTIE	9	42.17	33	30.93	26.11
9 BLADEN	14	45.54	41	26.69	29.69
10 BRUNSWICK	21	46.09	48	23.26	24.44
11 BUNCOMBE	82	48.72	349	42.33	31.23
12 BURKE	18	23.82	81	21.80	24.87
13 CABARRUS	27	29.32	141	31.27	29.12
14 CALDWELL	17	24.20	70	20.43	23.87
15 CAMDEN	4	68.79	13	45.02	46.87
16 CARTERET	14	28.72	55	24.09	21.20
17 CASWELL	7	31.19	19	17.54	17.21
18 CATAWBA	32	28.41	105	19.17	21.03
19 CHATHAM	7	19.79	33	19.02	16.29
20 CHEROKEE	6	29.69	26	26.41	13.44
21 CHOWAN	10	75.99	33	51.51	39.97
22 CLAY	4	56.93	13	37.16	19.39
23 CLEVELAND	19	22.05	92	21.81	20.51
24 COLUMBUS	14	26.88	72	27.77	26.99
25 CRAVEN	11	13.84	64	16.99	24.63
26 CUMBERLAND	30	11.71	116	9.17	20.08
27 CURRITUCK	12	93.06	28	45.68	46.30
28 DARE	7	40.59	21	26.79	27.44
29 DAVIDSON	36	30.38	135	23.32	24.00
30 DAVIE	6	21.67	20	14.77	16.52
31 DUPLIN	18	43.28	45	21.77	18.15
32 DURHAM	44	27.22	226	28.59	27.48
33 EDGEcombe	29	49.64	89	31.11	27.93
34 FORSYTH	66	25.53	240	19.02	18.20
35 FRANKLIN	10	30.50	36	22.92	20.64
36 GASTON	38	22.12	175	20.91	22.95
37 GATES	4	42.63	20	43.65	28.31
38 GRAHAM	2	27.82	6	16.86	9.90
39 GRANVILLE	19	51.82	66	36.95	34.42
40 GREENE	1	6.05	16	19.58	17.24
41 GUILFORD	111	33.99	387	24.01	23.45

* SEE SECTION I

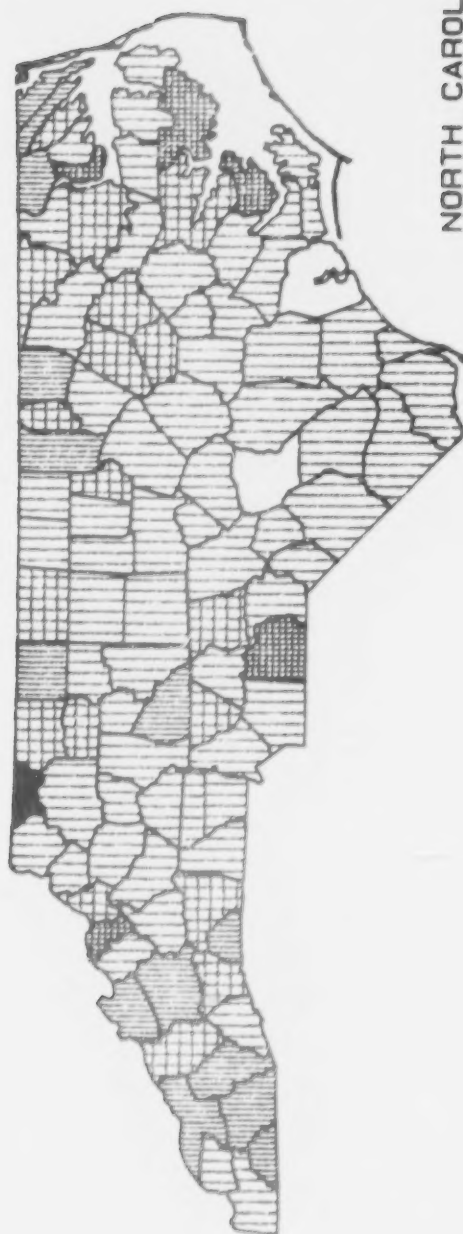
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	16	28.59	73	26.21	20.89
43 HARNETT	16	25.39	50	16.20	17.88
44 HAYWOOD	24	50.09	75	31.75	21.29
45 HENDERSON	22	33.23	105	33.13	16.78
46 HERTFORD	6	25.07	26	21.90	16.88
47 HOKE	6	26.66	28	25.41	30.07
48 HYDE	2	33.50	15	50.34	38.76
49 IREDELL	25	28.65	110	25.73	23.21
50 JACKSON	6	22.24	53	39.46	33.91
51 JOHNSTON	15	19.52	67	18.14	17.65
52 JONES	1	10.23	9	18.41	20.52
53 LEE	13	32.06	42	21.78	22.27
54 LENOIR	16	26.45	82	27.19	27.76
55 LINCOLN	14	30.67	40	18.21	20.44
56 MCDOWELL	10	27.56	45	24.91	22.47
57 MACON	7	30.33	44	39.65	28.56
58 MADISON	9	52.35	37	42.94	29.35
59 MARTIN	8	30.01	36	27.20	26.20
60 MECKLENBURG	96	21.69	394	18.50	21.41
61 MITCHELL	7	48.08	39	54.19	29.24
62 MONTGOMERY	6	25.24	36	30.95	25.94
63 MOORE	12	21.89	61	23.03	17.94
64 NASH	28	39.55	102	29.31	27.84
65 NEW HANOVER	28	24.99	98	18.02	19.02
66 NORTHAMPTON	1	4.47	33	29.40	25.61
67 ONSLOW	16	13.06	62	10.54	26.34
68 ORANGE	18	21.82	78	19.54	25.77
69 PAMLICO	8	72.88	26	48.56	38.44
70 PASQUOTANK	11	37.47	48	33.35	30.26
71 PENDER	11	45.03	28	23.97	18.77
72 PERQUIMANS	3	29.13	11	22.39	14.18
73 PERSON	4	13.22	28	18.72	17.19
74 PITT	30	31.29	121	25.67	30.10
75 POLK	5	34.75	25	35.80	23.62
76 RANDOLPH	21	21.59	74	15.60	18.00
77 RICHMOND	13	28.16	46	20.14	18.24
78 ROBESON	15	14.14	103	19.70	24.33
79 ROCKINGHAM	34	39.84	131	30.82	29.09
80 ROWAN	39	37.70	185	36.43	28.14
81 RUTHERFORD	19	33.36	85	30.53	24.49
82 SAMPSON	16	31.78	56	22.36	20.55
83 SCOTLAND	6	17.85	26	15.61	17.49
84 STANLY	11	21.92	45	18.31	14.74
85 STOKES	10	28.29	67	38.60	39.41
86 SURRY	28	46.03	95	31.48	22.10
87 SWAIN	1	9.34	21	39.67	25.84
88 TRANSYLVANIA	9	35.18	31	25.15	23.08
89 TYRRELL	1	24.23	5	24.05	22.79
90 UNION	23	29.44	77	20.55	23.48
91 VANCE	9	23.48	62	33.06	26.12
92 WAKE	76	21.48	284	17.32	23.71
93 WARREN	10	60.97	38	46.50	33.60
94 WASHINGTON	6	41.29	15	20.66	25.60
95 WATAUGA	5	14.63	25	14.89	10.38
96 WAYNE	22	22.30	103	21.01	24.94
97 WILKES	16	26.31	80	26.65	25.37
98 WILSON	21	32.63	97	30.32	32.54
99 YADKIN	12	40.86	45	30.79	24.21
100 YANCEY	4	25.68	20	26.17	14.75

* SEE SECTION I

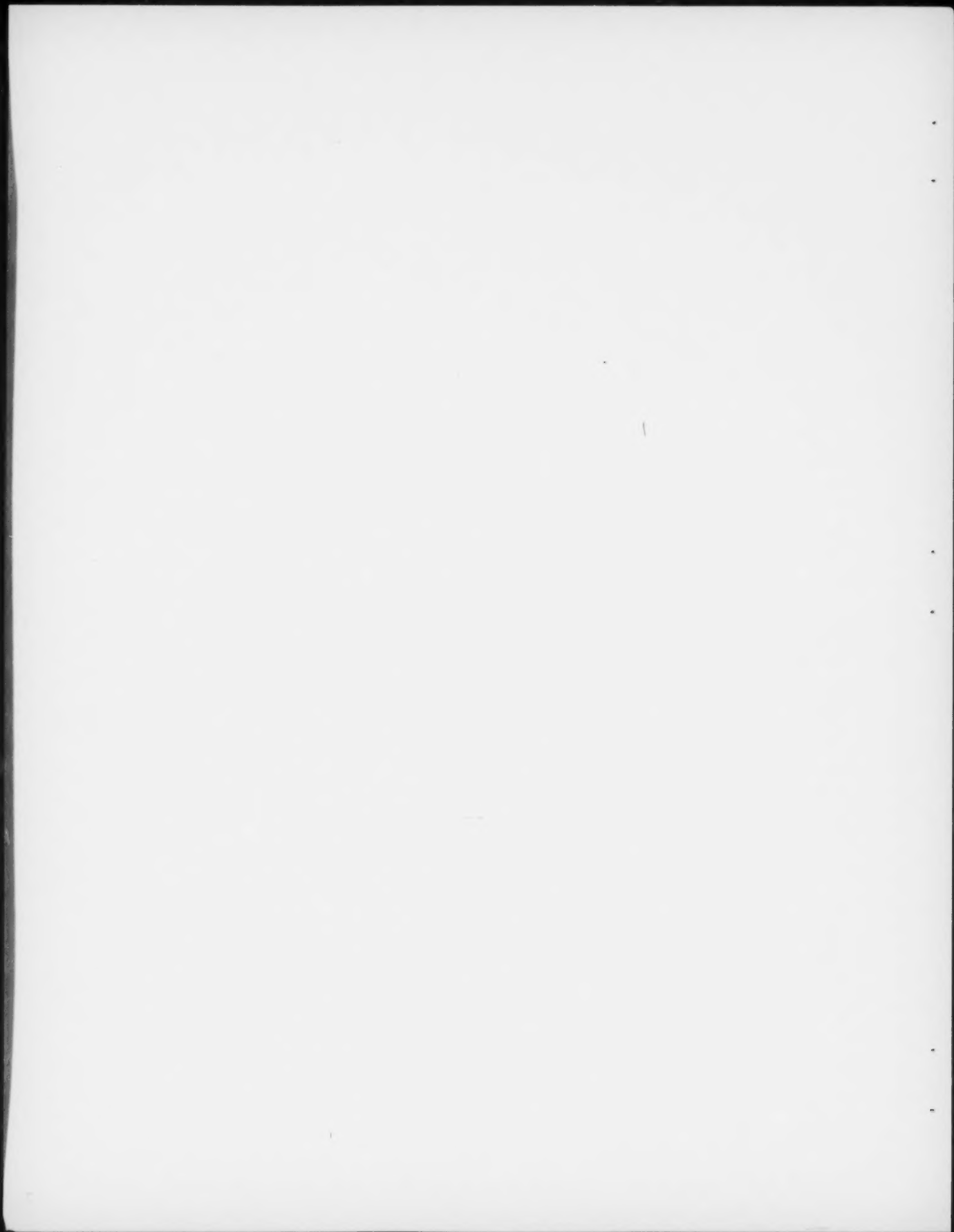
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INFLUENZA AND PNEUMONIA



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

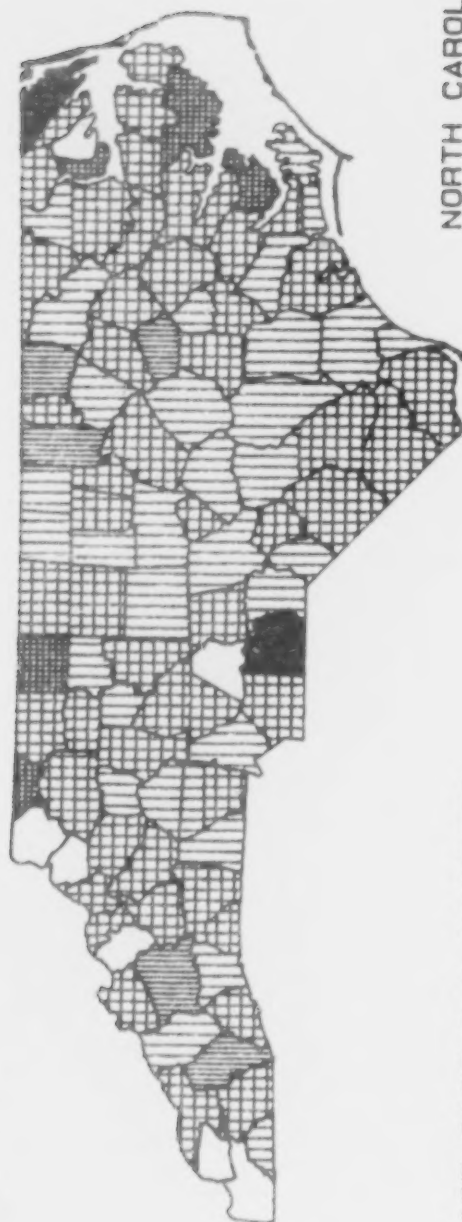
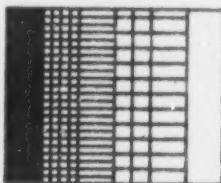
FIGURE 20.A



INFLUENZA AND PNEUMONIA

MORTALITY RATES PER
100,000 POPULATION

39.98 to 46.88
34.43 to 39.98
30.27 to 34.43
21.42 to 30.27
14.76 to 21.42
9.9 to 14.76



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 20.B



TABLE 21
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	1675	26.78	7319	24.01	24.01
REGIONS					
DHR I WESTERN	604	28.18	2625	25.13	22.51
DHR II N. CENTRAL	377	28.59	1646	25.41	24.09
DHR III S. CENTRAL	322	21.99	1484	20.96	25.82
DHR IV EASTERN	372	28.00	1564	24.13	26.45
HSA I WESTERN	344	32.08	1498	28.52	22.98
HSA II PIEDMONT	324	27.83	1457	25.46	24.29
HSA III S. PIEDMONT	260	24.27	1127	21.70	21.87
HSA IV CAPITAL	209	23.09	936	21.67	24.96
HSA V CARDINAL	218	23.01	1009	21.74	25.77
HSA VI EASTERN	320	29.24	1292	24.12	26.98
COUNTIES					
1 ALAMANCE	29	28.36	135	26.75	22.91
2 ALEXANDER	2	7.51	19	14.54	19.31
3 ALLEGHANY	5	51.58	18	36.74	20.16
4 ANSON	2	7.62	16	12.33	12.72
5 ASHE	11	46.96	50	43.32	25.65
6 AVERY	6	40.01	33	44.33	45.83*
7 BEAUFORT	17	39.29	59	27.91	25.97
8 BERTIE	6	28.11	21	19.68	18.54
9 BLADEN	2	6.50	22	14.32	14.54
10 BRUNSWICK	7	15.36	43	20.84	19.53
11 BUNCOMBE	67	39.81	278	33.72	25.74
12 BURKE	28	37.06	105	28.26	25.48
13 CABARRUS	33	35.84	131	29.05	25.92
14 CALDWELL	17	24.20	79	23.05	22.11
15 CAMDEN	1	17.19	3	10.38	7.59
16 CARTERET	17	34.88	69	30.22	25.90
17 CASWELL	9	40.10	25	23.08	22.95
18 CATAWBA	24	21.31	116	21.18	22.15
19 CHATHAM	11	31.10	39	22.48	19.46
20 CHEROKEE	9	44.53	20	20.32	18.47
21 CHOWAN	9	68.39	20	31.21	26.72
22 CLAY	5	71.16	16	45.74	24.98
23 CLEVELAND	21	24.37	82	19.44	18.00
24 COLUMBUS	13	24.96	53	20.44	21.03
25 CRAVEN	23	28.93	81	21.51	30.56
26 CUMBERLAND	46	17.96	183	14.47	30.47
27 CURRITUCK	1	7.75	11	17.94	18.42
28 DARE	1	5.79	16	20.41	20.94
29 DAVIDSON	37	31.22	127	21.94	22.62
30 DAVIE	4	14.45	34	25.11	22.32
31 DUPLIN	15	36.06	59	28.55	26.81
32 DURHAM	33	20.41	164	20.75	23.04
33 EDGEcombe	14	23.96	81	28.31	32.90
34 FORSYTH	70	27.07	347	27.50	27.52
35 FRANKLIN	8	24.40	28	17.82	16.58
36 GASTON	39	22.70	179	21.38	20.53
37 GATES	2	21.31	14	30.55	21.49
38 GRAHAM	2	27.82	10	28.11	17.11
39 GRANVILLE	16	43.64	49	27.43	29.23
40 GREENE	6	36.35	24	29.36	34.57
41 GUILFORD	104	31.85	395	24.51	24.66

* SEE SECTION I

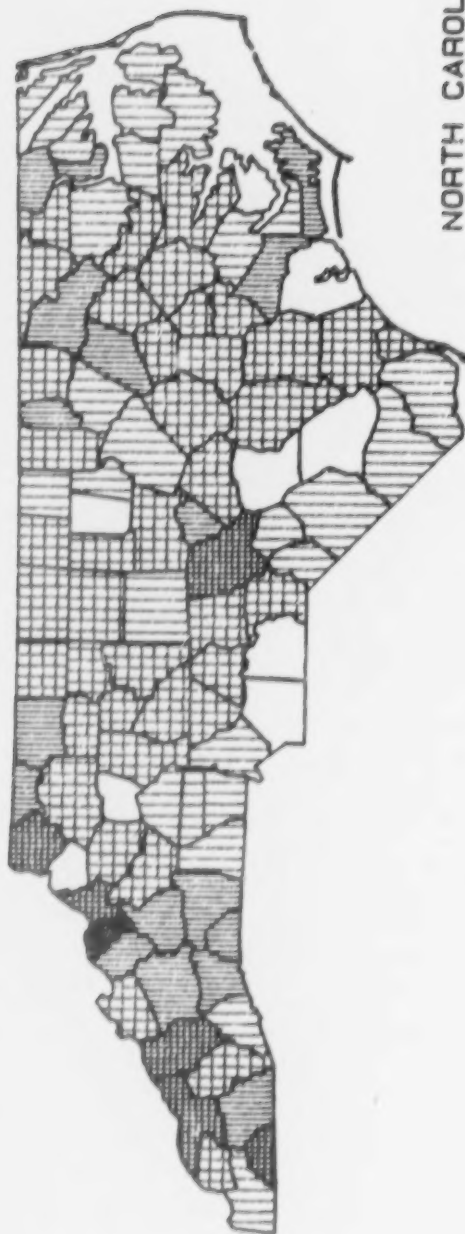
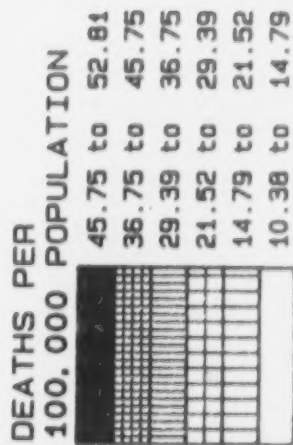
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	22	39.31	85	30.52	29.92
43 HARNETT	11	17.46	75	24.30	26.36
44 HAYWOOD	25	52.18	92	38.94	23.37
45 HENDERSON	25	37.77	102	32.19	21.16
46 HERTFORD	9	37.61	32	26.95	27.84
47 HOKE	5	22.21	23	20.87	32.63
48 HYDE	3	50.25	5	16.78	15.97
49 IREDELL	21	24.06	105	24.56	21.38
50 JACKSON	8	29.66	35	26.06	24.59
51 JOHNSTON	21	27.33	105	28.43	27.41
52 JONES	5	51.17	15	30.69	31.74
53 LEE	10	24.66	66	34.23	35.09
54 LENOIR	19	31.41	78	25.86	28.20
55 LINCOLN	15	32.86	42	19.12	19.68
56 MCDOWELL	12	33.07	60	33.21	28.35
57 MACON	11	47.67	36	32.44	15.26
58 MADISON	1	5.81	23	26.69	37.46*
59 MARTIN	12	45.02	36	27.20	26.83
60 MECKLENBURG	106	23.95	445	20.90	24.90
61 MITCHELL	5	34.34	38	52.80	30.60
62 MONTGOMERY	8	33.66	34	29.23	25.28
63 MOORE	30	54.74	105	39.65	29.27
64 NASH	30	42.37	116	33.33	35.25
65 NEW HANOVER	28	24.99	143	26.29	27.76
66 NORTHAMPTON	5	22.36	26	23.16	25.00
67 ONSLOW	21	17.14	69	11.73	27.47
68 ORANGE	13	15.76	59	14.78	19.65
69 PAMLICO	0	0.00	7	13.07	10.71
70 PASQUOTANK	2	6.81	25	17.37	16.86
71 PENDER	4	16.37	33	28.25	27.49
72 PERQUIMANS	2	19.42	8	16.28	12.37
73 PERSON	8	26.44	27	18.05	17.18
74 PITT	30	31.29	120	25.46	33.69
75 POLK	4	27.80	25	35.80	23.51
76 RANDOLPH	19	19.54	97	20.45	18.26
77 RICHMOND	17	36.83	66	28.90	26.69
78 ROBESON	25	23.57	111	21.23	30.19
79 ROCKINGHAM	21	24.61	115	27.06	24.20
80 ROWAN	23	22.23	118	23.23	17.90
81 RUTHERFORD	19	33.36	86	30.89	22.84
82 SAMPSON	15	29.79	70	27.95	25.97
83 SCOTLAND	5	14.87	32	19.21	26.10
84 STANLY	11	21.92	54	21.98	17.21
85 STOKES	7	19.80	46	26.50	28.11
86 SURRY	15	24.66	100	33.14	28.32
87 SWAIN	7	65.42	22	41.56	33.42
88 TRANSYLVANIA	5	19.54	24	19.47	13.03
89 TYRRELL	0	0.00	4	19.24	14.99
90 UNION	12	15.36	53	14.14	15.43
91 VANCE	17	44.36	66	35.20	35.58
92 WAKE	68	19.21	314	19.15	26.99
93 WARREN	4	24.39	19	23.25	17.82
94 WASHINGTON	6	41.29	15	20.66	23.17
95 WATAUGA	2	5.85	24	14.30	11.94
96 WAYNE	19	19.26	115	23.46	30.14
97 WILKES	19	31.24	79	26.32	23.56
98 WILSON	23	35.74	78	24.38	27.45
99 YADKIN	9	30.64	36	24.63	18.81
100 YANCEY	4	25.68	26	34.02	21.08

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CHRONIC OBSTRUCTIVE PULMONARY DISEASE

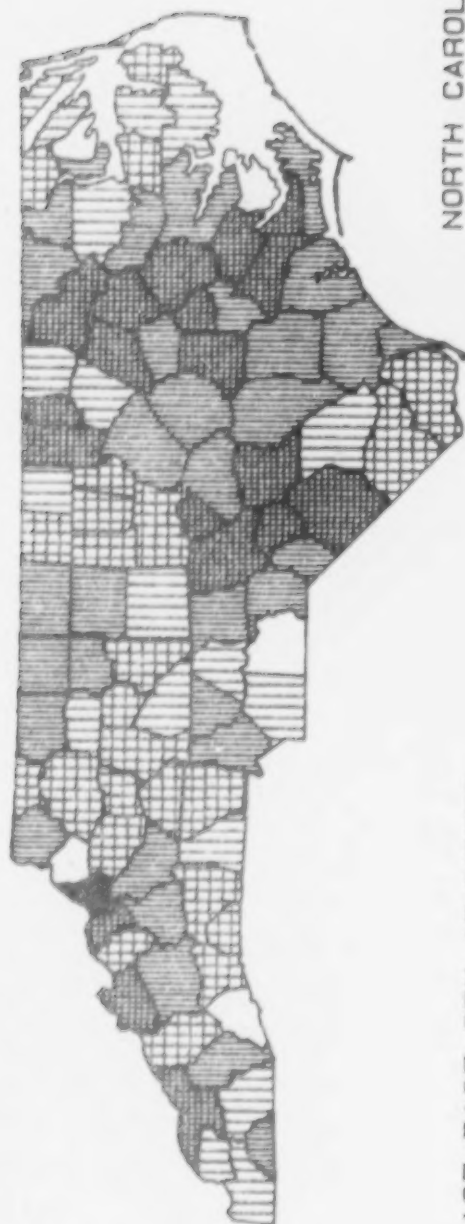


NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 21.A

5

CHRONIC OBSTRUCTIVE PULMONARY DISEASE



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 21.B



TABLE 22
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	567	9.06	2979	9.77	9.77
REGIONS					
DHR I WESTERN	174	8.11	999	9.56	9.90
DHR II N. CENTRAL	119	9.02	635	9.80	9.38
DHR III S. CENTRAL	127	8.67	640	9.04	9.87
DHR IV EASTERN	147	11.06	705	10.87	11.08
HSA I WESTERN	74	6.90	489	9.31	9.69
HSA II PIEDMONT	103	8.84	550	9.61	9.35
HSA III S. PIEDMONT	100	9.33	510	9.82	10.05
HSA IV CAPITAL	73	8.06	396	9.16	9.64
HSA V CARDINAL	88	9.28	446	9.60	10.27
HSA VI EASTERN	129	11.78	588	10.98	11.37
COUNTIES					
1 ALAMANCE	7	6.84	45	8.91	7.56
2 ALEXANDER	3	11.27	12	9.18	11.45
3 ALLEGHANY	1	10.31	5	10.20	6.80
4 ANSON	1	3.81	16	12.33	13.37
5 ASHE	0	0.00	1	0.86	0.64
6 AVERY	0	0.00	7	9.40	21.97
7 BEAUFORT	10	23.11	32	15.14	14.33
8 BERTIE	4	18.74	16	14.99	17.78
9 BLADEN	1	3.25	5	3.25	4.16
10 BRUNSWICK	2	4.39	14	6.78	6.47
11 BUNCOMBE	12	7.13	89	10.79	10.55
12 BURKE	10	13.23	37	9.96	12.38
13 CABARRUS	11	11.94	36	7.98	8.32
14 CALDWELL	2	2.84	31	9.04	8.07
15 CAMDEN	1	17.19	2	6.92	6.96
16 CARTERET	8	16.41	32	14.01	12.61
17 CASWELL	2	8.91	10	9.23	9.74
18 CATAWBA	4	3.55	57	10.40	10.77
19 CHATHAM	0	0.00	13	7.49	6.65
20 CHEROKEE	5	24.74	14	14.22	9.90
21 CHOWAN	0	0.00	7	10.92	8.79
22 CLAY	1	14.23	3	8.57	6.19
23 CLEVELAND	4	4.64	40	9.48	9.10
24 COLUMBUS	5	9.60	17	6.55	6.33
25 CRAVEN	7	8.80	37	9.82	12.45
26 CUMBERLAND	24	9.37	98	7.75	11.51
27 CURRITUCK	0	0.00	6	9.78	8.34
28 DARE	3	17.39	6	7.65	5.17
29 DAVIDSON	10	8.44	38	6.56	6.77
30 DAVIE	2	7.82	11	8.12	6.73
31 DUPLIN	5	12.02	17	8.22	6.94
32 DURHAM	15	9.28	77	9.74	10.04
33 EDGECOMBE	8	13.69	40	13.98	13.94
34 FORSYTH	35	13.53	157	12.44	11.81
35 FRANKLIN	5	15.25	24	15.28	15.43
36 GASTON	20	11.64	100	11.94	12.10
37 GATES	1	10.65	4	8.73	11.23
38 GRAHAM	1	13.91	4	11.24	8.48
39 GRANVILLE	1	2.72	11	6.15	6.16
40 GREENE	1	6.05	5	6.12	7.19
41 GUILFORD	24	7.35	148	9.18	8.96

* SEE SECTION I

MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	6	10.72	36	12.92	11.20
43 HARNETT	3	4.76	33	10.69	11.35
44 HAYWOOD	2	4.17	24	10.16	7.04
45 HENDERSON	4	6.04	34	10.73	11.14
46 HERTFORD	5	20.89	16	13.47	16.22
47 HOKE	0	0.00	11	9.98	14.08
48 HYDE	0	0.00	1	3.35	4.25
49 IREDELL	10	11.46	50	11.69	11.35
50 JACKSON	2	7.41	11	8.19	11.77
51 JOHNSTON	8	10.41	36	9.74	9.64
52 JONES	0	0.00	2	4.09	4.06
53 LEE	7	17.26	30	15.55	15.41
54 LENOIR	10	16.53	44	14.59	13.71
55 LINCOLN	1	2.19	18	8.19	8.34
56 MCDOWELL	3	8.26	10	5.53	4.14
57 MACON	1	4.33	7	6.30	3.11
58 MADISON	1	5.81	5	5.80	4.51
59 MARTIN	4	15.00	18	13.60	12.38
60 MECKLENBURG	42	9.49	213	10.00	10.20
61 MITCHELL	3	20.60	9	12.50	8.85
62 MONTGOMERY	0	0.00	7	6.01	5.57
63 MOORE	10	18.24	50	18.88	16.63
64 NASH	6	8.47	43	12.35	12.17
65 NEW HANOVER	9	8.03	67	12.32	12.39
66 NORTHAMPTON	2	8.94	11	9.80	7.14
67 ONSLOW	7	5.71	37	6.29	11.72
68 ORANGE	4	4.85	21	5.26	7.01
69 PAMLICO	3	27.33	11	20.54	15.16
70 PASQUOTANK	4	13.62	12	8.33	7.73
71 PENDER	2	8.18	19	16.26	14.77
72 PERQUIMANS	2	19.42	5	10.17	11.33
73 PERSON	4	13.22	16	10.70	9.38
74 PITT	8	8.34	35	7.42	8.47
75 POLK	1	6.95	8	11.45	13.21
76 RANDOLPH	8	8.22	39	8.22	10.15
77 RICHMOND	9	19.50	21	9.19	8.36
78 ROBESON	11	10.37	40	7.65	7.48
79 ROCKINGHAM	6	7.03	49	11.53	10.78
80 ROWAN	8	7.73	55	10.83	10.72
81 RUTHERFORD	5	8.78	26	9.34	9.11
82 SAMPSON	4	7.94	23	9.18	9.27
83 SCOTLAND	7	20.83	25	15.01	14.93
84 STANLY	5	9.96	19	7.73	8.18
85 STOKES	0	0.00	12	6.91	8.00
86 SURRY	5	8.22	27	8.94	8.83
87 SWAIN	0	0.00	5	9.44	8.75
88 TRANSYLVANIA	0	0.00	7	5.67	7.08
89 TYRRELL	0	0.00	2	9.62	9.00
90 UNION	3	3.84	19	5.07	5.82
91 VANCE	6	15.65	26	13.86	12.24
92 WAKE	23	6.50	134	8.17	9.72
93 WARREN	0	0.00	8	9.79	8.68
94 WASHINGTON	2	13.76	7	9.64	10.94
95 WATAUGA	2	5.85	10	5.95	5.78
96 WAYNE	14	14.19	62	12.64	12.87
97 WILKES	4	6.57	22	7.33	8.81
98 WILSON	8	12.43	42	13.13	12.15
99 YADKIN	4	13.62	14	9.57	12.45
100 YANCEY	3	19.26	11	14.39	18.56

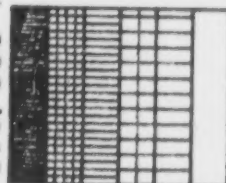
* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CHRONIC LIVER DISEASE AND CIRRHOSIS

DEATHS PER

100,000 POPULATION



16.27 to 20.55

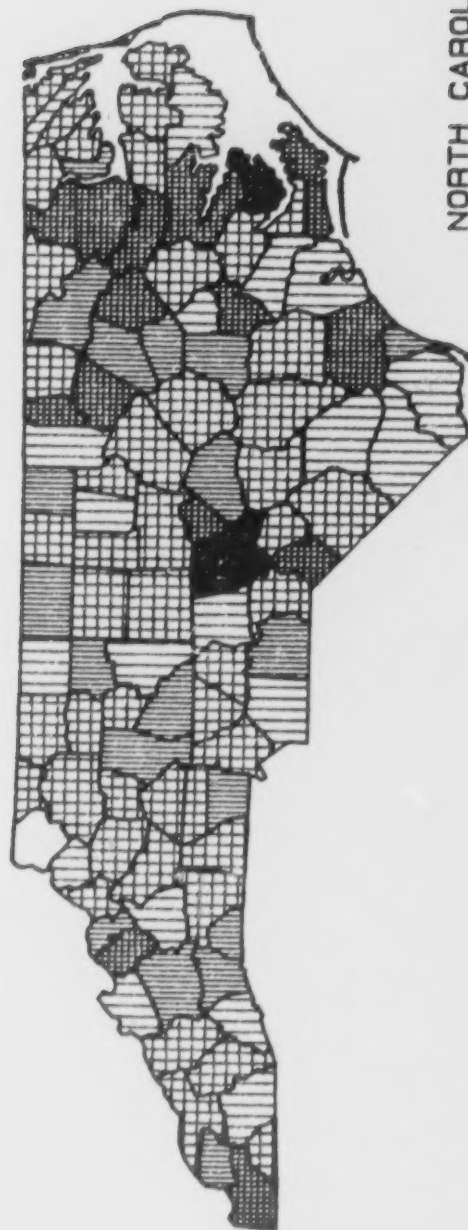
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10.41 to 13.14

6.93 to 10.41

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.86 to .87



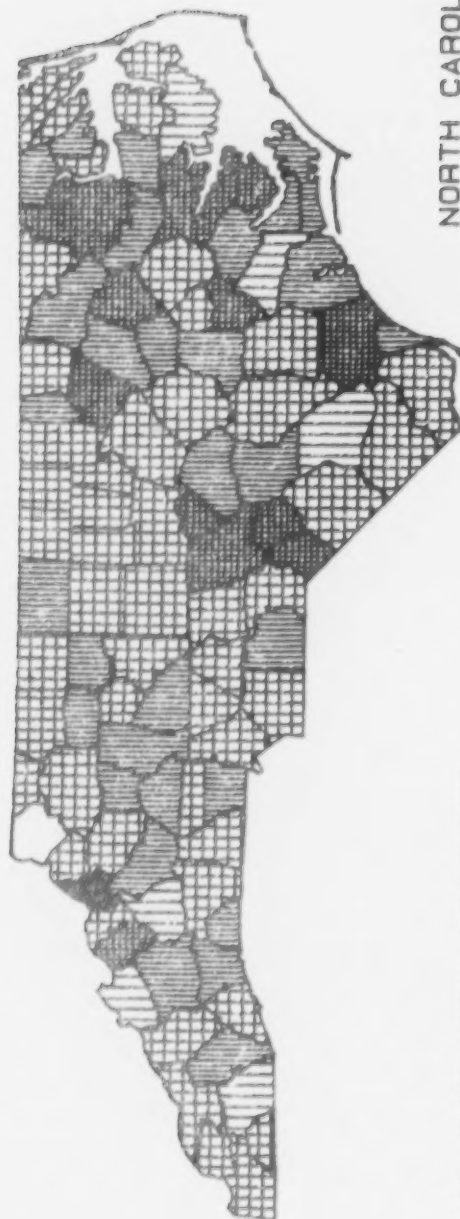
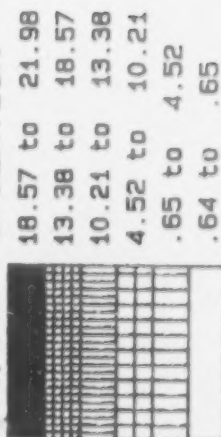
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 22.A



CHRONIC LIVER DISEASE AND CIRRHOSIS

MORTALITY RATES PER
100,000 POPULATION



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 22.B

TABLE 23
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	619	9.89	2727	8.94	8.94
REGIONS					
DHR I WESTERN	208	9.70	923	8.83	9.22
DHR II N. CENTRAL	125	9.48	560	8.64	8.42
DHR III S. CENTRAL	142	9.70	591	8.34	8.96
DHR IV EASTERN	144	10.83	653	10.07	9.21
HSA I WESTERN	106	9.88	434	8.26	8.00
HSA II PIEDMONT	107	9.19	456	7.97	8.08
HSA III S. PIEDMONT	102	9.52	489	9.41	10.22
HSA IV CAPITAL	92	10.16	389	9.00	8.94
HSA V CARDINAL	97	10.23	410	8.83	9.00
HSA VI EASTERN	115	10.50	549	10.25	9.32
COUNTIES					
1 ALABAMA	8	7.82	38	7.53	6.79
2 ALEXANDER	0	0.00	8	6.12	7.51
3 ALLEGHANY	2	20.63	8	16.33	9.71
4 ANSON	2	7.62	19	14.65	10.47
5 ASHE	5	21.34	13	11.26	6.38
6 AVERY	0	0.00	6	8.06	6.69
7 BEAUFORT	3	6.93	19	8.99	6.38
8 BERTIE	4	18.74	22	20.62	15.65
9 BLADEN	3	9.75	27	17.57	14.69
10 BRUNSWICK	5	10.97	11	5.33	5.55
11 BUNCOMBE	12	7.13	55	6.67	5.28
12 BURKE	5	6.61	27	7.26	7.64
13 CABARRUS	7	7.60	46	10.20	10.55
14 CALDWELL	4	5.69	31	9.04	12.74
15 CAMDEN	1	17.19	6	20.77	15.99
16 CARTERET	6	12.31	19	8.32	7.90
17 CASHWELL	3	13.36	9	8.31	7.19
18 CATAWBA	10	8.88	33	6.02	8.03
19 CHATHAM	6	16.96	17	9.80	8.36
20 CHEROKEE	2	9.89	7	7.11	3.85
21 CHOWAN	0	0.00	10	15.60	9.23
22 CLAY	1	14.23	4	11.43	5.45
23 CLEVELAND	9	10.44	36	8.53	8.43
24 COLUMBUS	11	21.12	33	12.73	11.08
25 CRAVEN	10	12.58	36	9.56	12.07
26 CUMBERLAND	16	6.24	56	4.43	8.07
27 CURRITUCK	0	0.00	2	3.26	3.62
28 DARE	1	5.79	4	5.10	7.74
29 DAVIDSON	15	12.66	65	11.22	13.12
30 DAVIE	1	3.61	9	6.64	5.80
31 DUPLIN	9	21.64	27	13.06	10.21
32 DURHAM	21	12.99	91	11.51	9.92
33 EDGEcombe	9	15.40	33	11.53	8.72
34 FORSYTH	30	11.60	109	8.63	8.29
35 FRANKLIN	2	6.10	21	13.37	9.05
36 GASTON	19	11.06	79	9.43	11.74
37 GATES	2	21.31	6	13.09	7.93
38 GRAHAM	3	41.73	3	8.43	5.62
39 GRANVILLE	6	16.36	31	17.35	12.87
40 GREENE	2	12.11	2	2.44	2.69
41 GUILFORD	21	6.43	104	6.45	6.59

* SEE SECTION I

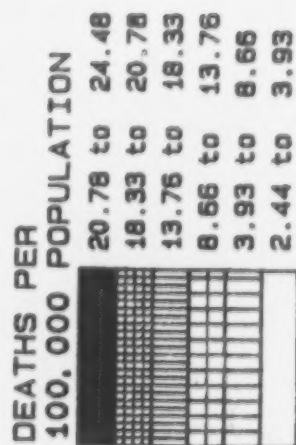
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
42 HALIFAX	5	8.93	35	12.56	9.24
43 HARNETT	8	12.69	32	10.36	10.93
44 HAYWOOD	4	8.34	22	9.31	5.93
45 HENDERSON	7	10.57	24	7.57	3.81
46 HERTFORD	3	12.53	16	13.47	8.07
47 HOKE	1	4.44	7	6.35	4.49
48 HYDE	2	33.50	7	23.49	18.50
49 IREDELL	16	18.33	45	10.52	10.78
50 JACKSON	6	22.24	13	9.67	14.94
51 JOHNSTON	6	7.81	36	9.74	9.65
52 JONES	1	10.23	6	12.27	13.96
53 LEE	15	36.99	33	17.11	17.27
54 LENOIR	7	11.57	32	10.61	8.36
55 LINCOLN	5	10.95	19	8.65	10.75
56 McDOWELL	3	8.26	17	9.41	9.09
57 MACON	2	8.66	12	10.81	5.03
58 MADISON	2	11.63	8	9.28	5.74
59 MARTIN	9	33.76	18	13.60	9.56
60 MECKLENBURG	34	7.68	171	8.03	9.16
61 MITCHELL	3	20.60	6	8.33	4.56
62 MONTGOMERY	4	16.83	16	13.75	11.58
63 MOORE	8	14.59	22	8.30	6.32
64 NASH	6	8.47	45	12.93	11.17
65 NEW HANOVER	12	10.71	52	9.56	9.71
66 NORTHAMPTON	2	8.94	17	15.14	9.66
67 ONSLOW	8	6.53	33	5.61	13.49
68 ORANGE	5	6.06	24	6.01	7.23
69 PAMLICO	1	9.11	3	5.60	5.10
70 PASQUOTANK	2	6.81	17	11.81	9.39
71 PENDER	1	4.09	8	6.84	5.08
72 PERQUIMANS	3	29.13	9	18.32	9.57
73 PERSON	4	13.22	12	8.02	6.91
74 PITT	5	5.21	33	7.00	6.27
75 POLK	3	20.85	10	14.32	7.63
76 RANDOLPH	10	10.28	30	8.01	11.51
77 RICHMOND	8	17.33	36	15.76	13.35
78 ROBESON	11	10.37	52	9.94	7.72
79 ROCKINGHAM	7	8.20	34	8.00	7.40
80 ROWAN	12	11.60	53	10.43	8.72
81 RUTHERFORD	7	12.29	33	11.85	10.68
82 SAMPSON	4	7.94	23	9.18	7.52
83 SCOTLAND	3	8.92	16	9.60	9.08
84 STANLY	3	5.97	27	10.99	11.24
85 STOKES	2	5.65	15	8.64	10.25
86 SURRY	7	11.50	23	7.62	6.44
87 SWAIN	2	18.69	9	17.00	12.28
88 TRANSYLVANIA	4	15.63	7	5.67	6.74
89 TYRRELL	0	0.00	1	4.81	7.90
90 UNION	6	7.68	49	13.08	15.94
91 VANCE	4	10.43	20	10.66	7.20
92 WAKE	21	5.93	84	5.12	6.74
93 WARREN	2	12.19	20	24.47	9.63
94 WASHINGTON	1	6.88	7	9.64	7.07
95 WATAUGA	2	5.85	9	5.36	4.18
96 WAYNE	8	8.11	53	10.81	11.25
97 WILKES	8	13.15	30	9.99	10.37
98 WILSON	5	7.77	31	9.69	9.02
99 YADKIN	3	10.21	12	8.21	10.39
100 YANCEY	0	0.00	3	3.92	2.81

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS



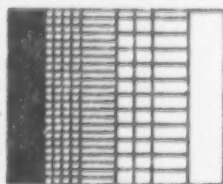
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 23.A



NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS

MORTALITY RATES PER
100,000 POPULATION



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 23.8

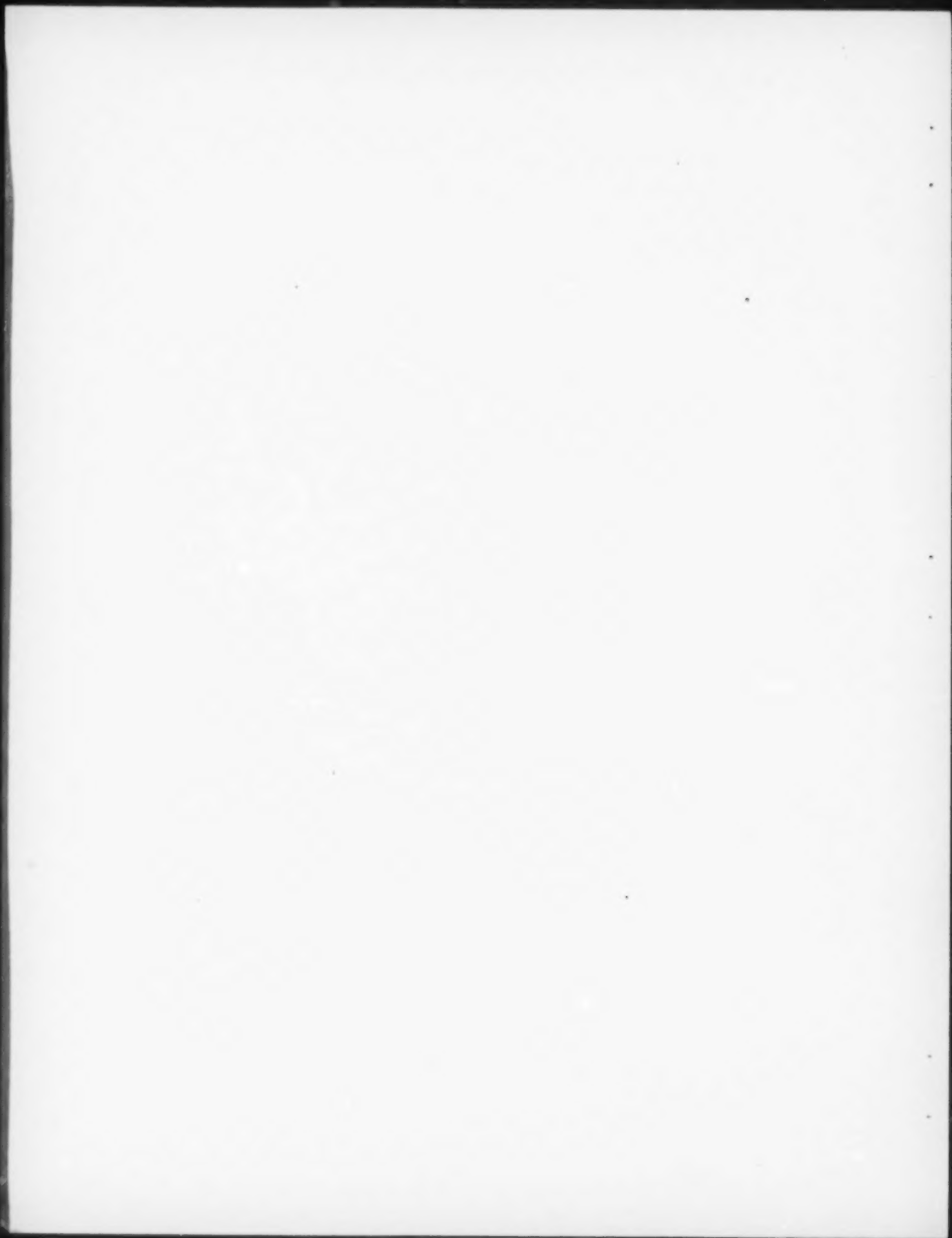


TABLE 24
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	1513	24.19	7164	23.50	23.50
REGIONS					
DHR I WESTERN	458	21.36	2269	21.72	22.02
DHR II N. CENTRAL	312	23.66	1431	22.09	22.47
DHR III S. CENTRAL	361	26.02	1758	24.83	24.19
DHR IV EASTERN	362	27.25	1706	26.32	25.88
HSA I WESTERN	244	22.75	1185	22.56	23.26
HSA II PIEDMONT	264	22.68	1211	21.16	21.49
HSA III S. PIEDMONT	214	19.98	1084	20.87	21.30
HSA IV CAPITAL	202	22.31	943	21.83	21.32
HSA V CARDINAL	289	30.50	1348	29.04	28.92
HSA VI EASTERN	300	27.41	1393	26.01	25.36
COUNTIES					
1 ALAMANCE	24	23.47	104	20.61	21.34
2 ALEXANDER	13	48.83	43	32.91	35.39
3 ALLEGHANY	0	0.00	15	30.62	57.45
4 ANSON	5	19.05	32	24.67	23.06
5 ASHE	2	8.53	20	17.33	13.55
6 AVERY	2	13.33	14	16.80	14.51
7 BEAUFORT	9	20.80	47	22.23	24.29
8 BERTIE	8	37.48	45	42.18	45.07
9 BLADEN	6	19.51	42	27.34	26.83
10 BRUNSWICK	15	32.92	78	37.80	38.42
11 BUNCOMBE	23	13.66	146	17.71	18.77
12 BURKE	21	27.79	81	21.80	20.21
13 CABARRUS	24	26.06	107	23.73	24.02
14 CALDWELL	16	25.62	80	23.34	26.11
15 CAMDEN	2	34.39	7	24.24	23.36
16 CARTERET	5	10.25	44	19.27	20.83
17 CASWELL	8	35.64	39	36.01	30.20
18 CATAWBA	31	27.53	149	27.20	27.42
19 CHATHAM	11	31.10	51	29.40	28.18
20 CHEROKEE	4	19.79	15	15.24	12.42
21 CHOWAN	5	37.99	21	32.77	35.72
22 CLAY	3	42.69	7	20.01	15.27
23 CLEVELAND	18	20.89	120	28.45	29.55
24 COLUMBUS	20	38.40	104	40.12	41.76
25 CRAVEN	19	23.90	65	22.57	22.49
26 CUMBERLAND	84	32.80	331	26.18	25.19
27 CURRITUCK	3	23.26	13	21.21	21.22
28 DARE	3	17.39	24	30.62	30.88
29 DAVIDSON	35	29.54	142	24.53	23.58
30 DAVIE	12	43.35	27	19.94	20.77
31 DUPLIN	14	33.66	73	35.32	39.11
32 DURHAM	25	15.46	115	14.55	13.91
33 EDGECOMBE	16	27.39	82	28.66	31.10
34 FORSYTH	29	11.21	208	16.48	16.81
35 FRANKLIN	9	27.45	58	36.92	34.16
36 GASTON	33	19.21	169	20.19	21.85
37 GATES	4	42.63	19	41.46	40.66
38 GRAHAM	3	41.73	8	22.49	49.82
39 GRANVILLE	12	32.73	54	30.23	29.84
40 GREENE	11	66.64	30	36.72	30.80
41 GUILFORD	64	19.60	307	19.05	19.48

* SEE SECTION I

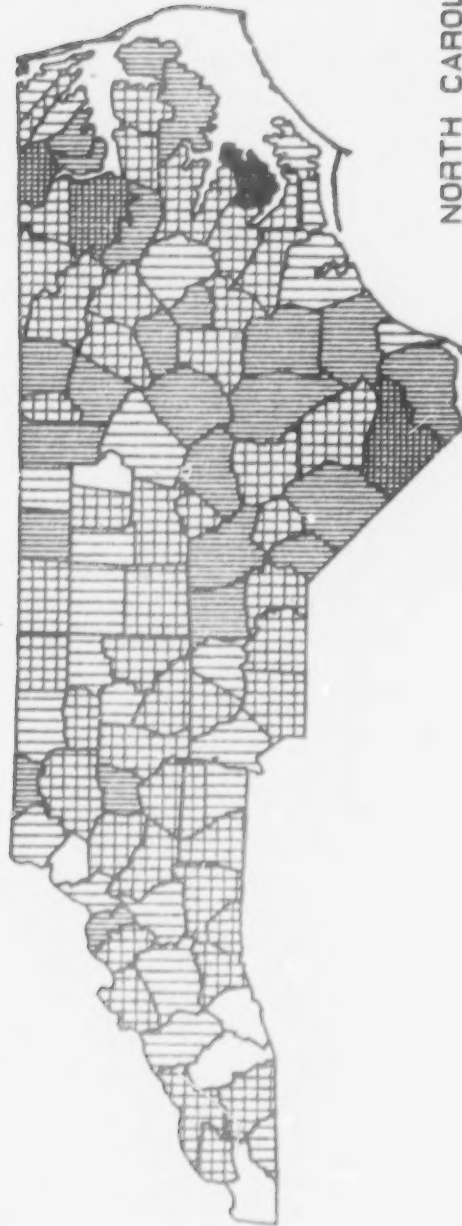
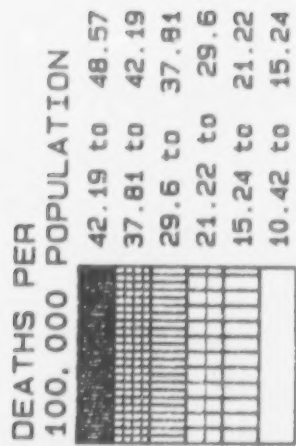
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	20	35.73	80	28.73	24.16
43 HARNETT	22	34.92	108	34.99	35.10
44 HAYWOOD	11	22.96	42	17.78	21.00
45 HENDERSON	18	27.19	80	25.24	23.95
46 HERTFORD	5	20.89	31	26.11	23.43
47 HOKE	2	8.88	27	24.50	23.25
48 HYDE	4	67.01	9	30.20	30.80
49 IREDELL	26	29.79	116	27.13	27.53
50 JACKSON	2	7.41	14	10.42	13.85
51 JOHNSON	27	35.14	129	34.93	36.74
52 JONES	0	0.00	12	24.55	27.20
53 LEE	12	29.59	49	25.41	26.73
54 LENOIR	15	24.80	85	28.18	30.22
55 LINCOLN	18	39.43	65	29.59	30.45
56 McDOWELL	11	30.31	38	21.03	21.57
57 MACON	4	17.33	27	24.33	30.12
58 MADISON	3	17.45	20	23.21	17.63
59 MARTIN	11	41.27	41	30.98	29.67
60 MECKLENBURG	61	13.78	356	16.72	17.07
61 MITCHELL	5	34.34	27	37.51	29.28
62 MONTGOMERY	9	37.87	36	30.95	32.22
63 MOORE	24	43.79	85	32.10	33.37
64 NASH	24	33.90	100	28.74	29.48
65 NEW HANOVER	22	19.63	95	17.46	17.32
66 NORTHAMPTON	10	44.72	32	28.51	25.47
67 ONSLOW	24	19.59	124	21.08	19.24
68 ORANGE	16	19.40	89	22.29	22.53
69 PAMLICO	4	36.44	26	48.56	55.84
70 PASQUOTANK	2	6.81	24	16.67	16.65
71 PENDER	5	20.47	36	30.82	31.55
72 PERQUIMANS	2	19.42	15	30.53	29.78
73 PERSON	9	29.74	30	20.06	20.32
74 PITT	22	22.94	97	20.58	21.46
75 POLK	5	34.75	18	25.77	22.41
76 RANDOLPH	25	25.71	123	25.93	28.76
77 RICHMOND	16	34.66	61	26.71	27.41
78 ROBESON	37	34.89	176	33.66	29.54
79 ROCKINGHAM	34	39.84	119	28.00	28.48
80 ROWAN	33	31.90	127	25.00	25.33
81 RUTHERFORD	16	28.09	79	28.38	28.84
82 SAMPSON	10	19.86	84	33.54	34.96
83 SCOTLAND	12	35.71	53	31.82	33.51
84 STANLY	7	13.94	49	19.94	20.98
85 STOKES	14	39.60	50	28.81	33.62
86 SURRY	10	16.44	53	17.56	19.32
87 SWAIN	2	18.69	13	24.56	25.62
88 TRANSYLVANIA	8	31.27	18	14.60	11.55
89 TYRRELL	1	24.23	5	24.05	24.91
90 UNION	12	15.36	95	25.36	26.43
91 VANCE	11	28.70	50	26.66	32.02
92 WAKE	63	17.80	290	17.69	17.53
93 WARREN	7	42.68	28	34.26	33.18
94 WASHINGTON	5	34.41	18	24.80	26.63
95 WATAUGA	5	14.63	22	13.10	10.21
96 WAYNE	23	23.31	106	21.62	22.58
97 WILKES	13	21.38	68	22.65	29.65
98 WILSON	29	45.06	98	30.64	31.91
99 YADKIN	9	30.64	39	26.68	25.69
100 YANCEY	3	19.26	21	27.48	31.33

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

MOTOR VEHICLE ACCIDENTS



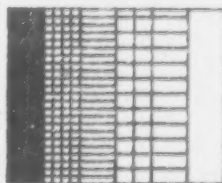
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 24.A

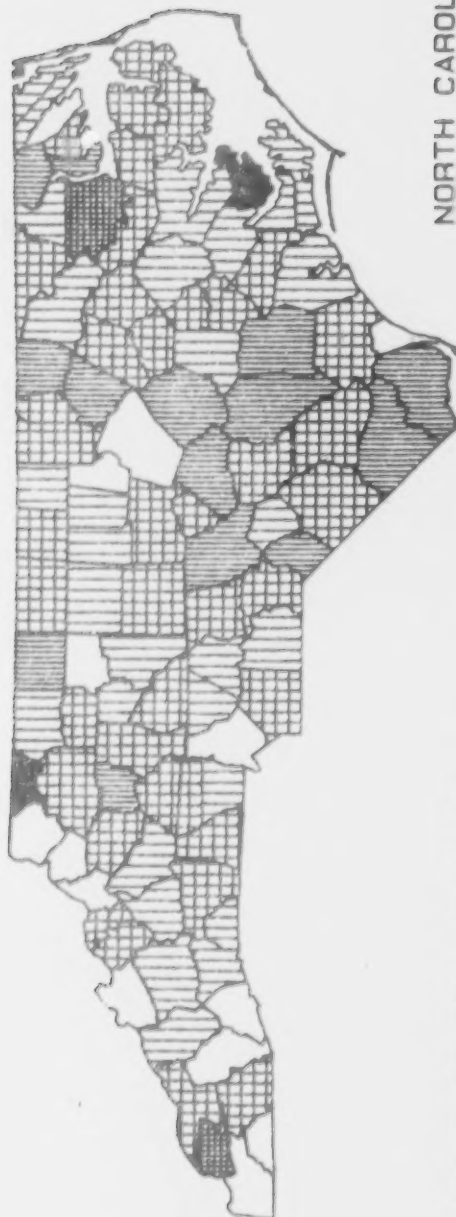


MOTOR VEHICLE ACCIDENTS

MORTALITY RATES PER
100,000 POPULATION



49.83 to 57.46
41.77 to 49.83
32.23 to 41.77
24.3 to 32.23
17.64 to 24.3
10.21 to 17.64



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 24.B



TABLE 25
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE+ 1981-85
NORTH CAROLINA	1454	23.24	7167	23.51	23.51
REGIONS					
DHR I WESTERN	465	21.69	2380	22.78	23.05
DHR II N. CENTRAL	296	22.45	1446	22.33	22.09
DHR III S. CENTRAL	351	23.97	1639	23.15	23.83
DHR IV EASTERN	342	25.74	1702	26.26	25.14
HSA I WESTERN	233	21.72	1240	23.61	23.41
HSA II PIEDMONT	243	20.87	1214	21.22	21.45
HSA III S. PIEDMONT	232	21.66	1140	21.95	22.71
HSA IV CAPITAL	215	23.75	958	22.18	22.36
HSA V CARDINAL	244	25.75	1202	25.89	25.88
HSA VI EASTERN	287	26.22	1413	26.38	25.04
COUNTIES					
1 ALAMANCE	18	17.60	113	22.39	21.98
2 ALEXANDER	2	7.51	27	20.66	23.78
3 ALLEGHANY	3	30.95	15	30.62	21.03
4 ANSON	9	34.30	40	30.84	26.34
5 ASHE	5	21.34	29	25.13	16.69
6 AVERY	4	26.67	17	22.83	74.88*
7 BEAUFORT	14	32.36	70	33.12	30.47
8 BERTIE	8	37.48	41	38.43	21.80
9 BLADEN	5	16.26	51	33.20	30.14
10 BRUNSWICK	7	15.36	59	28.59	28.59
11 BUNCOMBE	39	23.17	213	25.84	23.75
12 BURKE	20	26.47	78	20.99	21.54
13 CABARRUS	22	23.89	103	22.84	23.17
14 CALDWELL	15	21.35	70	20.43	23.65
15 CAMDEN	4	68.79	16	55.41	52.10
16 CARTERET	14	28.72	51	22.33	27.21
17 CASWELL	6	26.73	25	23.08	21.17
18 CATAWBA	21	18.64	96	17.52	19.70
19 CHATHAM	16	45.24	55	31.71	29.06
20 CHEPOKEE	3	14.84	16	16.25	11.41
21 CHOWAN	2	15.19	17	26.53	24.40
22 CLAY	1	14.23	10	28.58	21.06
23 CLEVELAND	16	18.56	97	23.00	23.40
24 COLUMBUS	17	32.64	81	31.24	29.05
25 CRAVEN	9	11.32	77	20.45	20.81
26 CUMBERLAND	66	25.77	274	21.67	26.70
27 CURRITUCK	3	23.26	17	27.73	25.75
28 DARE	8	46.39	31	39.55	38.90
29 DAVIDSON	20	16.88	123	21.24	24.39
30 DAVIE	5	18.06	17	12.55	13.17
31 DUPLIN	12	28.85	66	31.94	27.52
32 DURHAM	45	27.84	198	25.05	24.20
33 EDGEcombe	17	29.10	92	32.16	31.06
34 FORSYTH	55	21.27	241	19.10	18.66
35 FRANKLIN	12	36.61	53	33.74	26.69
36 GASTON	39	22.70	190	22.70	23.97
37 GATES	3	31.97	11	24.00	21.35
38 GRAHAM	3	41.73	12	33.73	64.21
39 GRANVILLE	12	32.73	51	28.55	24.20
40 GREENE	1	6.05	26	31.82	34.29
41 GUILFORD	72	22.05	341	21.16	20.87

* SEE SECTION I

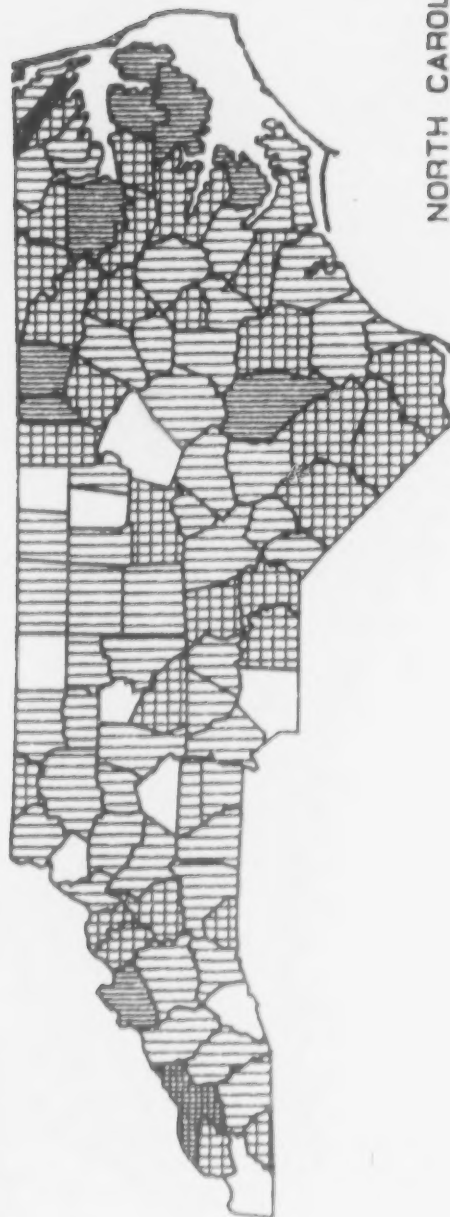
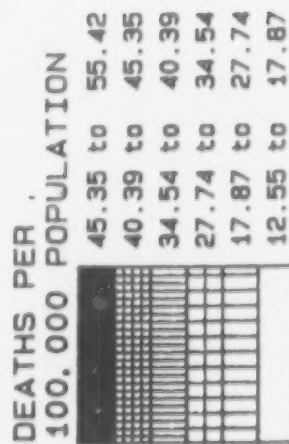
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
ALL OTHER ACCIDENTS AND ADVERSE EFFECTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	23	41.10	85	30.52	24.66
43 HARTLEY	13	20.63	72	23.32	23.89
44 HAYWOOD	9	18.78	52	22.01	15.63
45 HENDERSON	16	24.17	80	25.24	20.24
46 HERTFORD	10	41.79	41	34.53	24.33
47 HOKE	4	17.77	24	21.78	21.22
48 HYDE	0	0.00	11	36.92	31.97
49 IREDELL	25	28.65	116	27.13	27.48
50 JACKSON	9	33.37	36	26.80	28.08
51 JOHNSTON	24	31.24	98	26.54	27.40
52 JONES	3	30.70	14	28.64	27.73
53 LEE	9	22.19	37	19.19	19.17
54 LENOIR	17	28.10	72	23.87	20.46
55 LINCOLN	14	30.67	44	20.03	19.55
56 MCDOWELL	8	13.78	52	28.78	28.51
57 MACON	8	34.67	29	26.13	28.32
58 MADISON	6	34.90	33	38.30	25.73
59 MARTIN	8	30.01	45	34.00	31.53
60 MECKLENBURG	71	16.04	417	19.58	20.60
61 MITCHELL	1	6.86	22	30.57	49.36*
62 MONTGOMERY	10	42.08	35	30.09	28.15
63 MOORE	8	14.59	63	23.79	21.27
64 NASH	24	33.90	90	25.86	24.21
65 NEW HANOVER	27	24.10	118	21.69	22.72
66 NORTHAMPTON	7	31.30	35	31.18	19.76
67 ONSLOW	28	22.85	115	19.55	23.18
68 ORANGE	19	23.04	63	15.78	17.81
69 PAMLICO	5	45.55	20	37.36	32.07
70 PASQUOTANK	7	23.84	45	31.27	29.42
71 PENDER	4	16.37	31	26.54	25.73
72 PERQUIMANS	1	9.71	12	24.43	22.14
73 PERSON	4	13.22	25	16.71	15.89
74 PITT	17	17.73	102	21.64	22.47
75 POLK	4	27.80	20	28.64	16.96
76 RANDOLPH	24	24.68	91	19.18	21.15
77 RICHMOND	17	36.83	66	28.90	28.06
78 ROBESON	43	40.55	152	29.07	26.43
79 ROCKINGHAM	21	24.61	117	27.53	27.12
80 ROWAN	37	35.76	144	28.35	26.54
81 RUTHERFORD	11	19.31	68	24.43	23.98
82 SAMPSON	8	15.89	92	36.74	33.85
83 SCOTLAND	6	17.85	44	26.42	25.48
84 STANLY	12	23.91	65	26.45	23.82
85 STOKES	2	5.65	31	17.86	25.58
86 SURRY	11	18.08	76	25.18	31.30
87 SWAIN	5	46.73	24	45.34	45.40
88 TRANSYLVANIA	2	7.81	20	16.22	11.74
89 TYRRELL	0	0.00	8	38.49	31.64
90 UNION	12	15.36	61	16.28	18.54
91 VANCE	22	57.41	70	37.33	31.50
92 WAKE	49	13.84	275	16.77	19.37
93 WARREN	3	18.29	33	40.38	29.15
94 WASHINGTON	8	55.06	25	34.44	33.72
95 WATAUGA	6	17.55	27	16.08	13.20
96 WAYNE	25	25.34	103	21.01	19.66
97 WILKES	14	23.02	71	23.65	24.31
98 WILSON	9	13.98	75	23.44	21.97
99 YADKIN	9	30.64	39	26.68	28.23
100 YANCEY	5	32.10	26	34.02	45.53*

* SEE SECTION 1

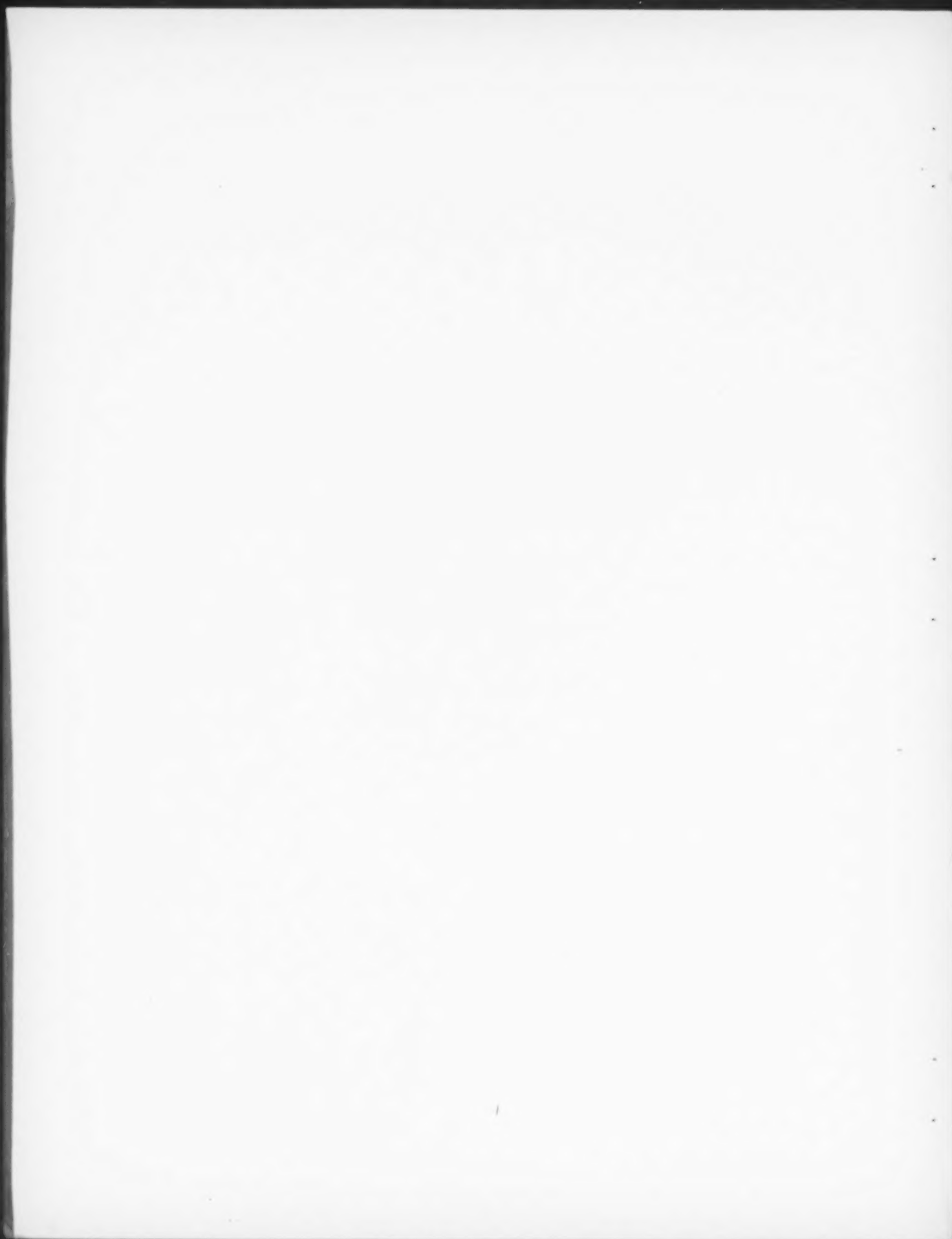
STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

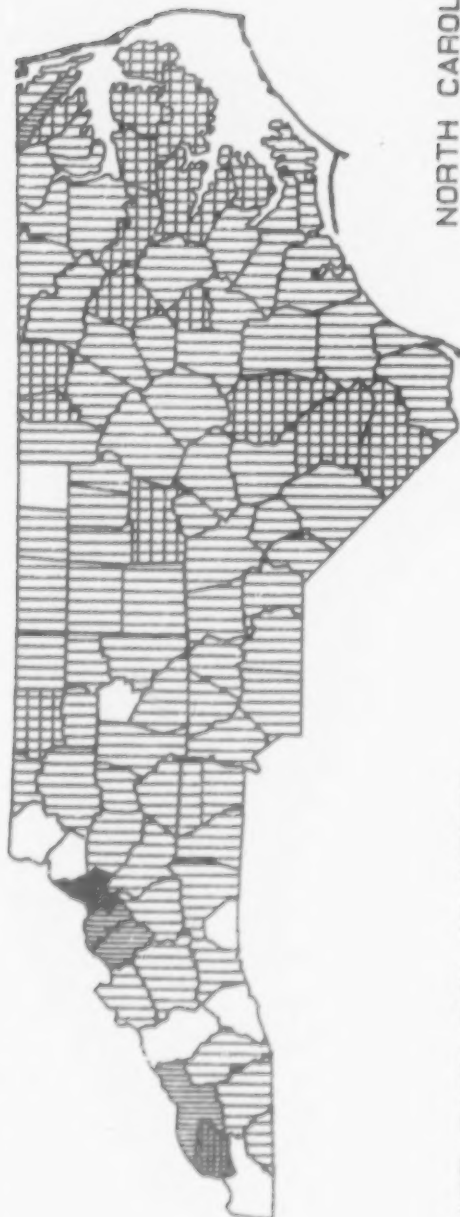
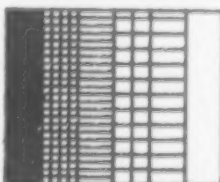
FIGURE 25.A



ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

MORTALITY RATES PER
100,000 POPULATION

64.22 to 74.89
52.11 to 64.22
38.91 to 52.11
28.6 to 38.91
16.97 to 28.6
11.41 to 16.97



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 25.B



TABLE 26
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	790	12.63	3924	12.87	12.87
REGIONS					
DHR I WESTERN	270	12.59	1399	13.39	12.36
DHR II N. CENTRAL	177	13.42	898	13.86	13.57
DHR III S. CENTRAL	172	11.74	835	11.79	12.83
DHR IV EASTERN	171	12.87	792	12.22	13.34
HSA I WESTERN	141	13.14	760	14.47	13.07
HSA II PIEDMONT	157	13.48	803	14.03	13.48
HSA III S. PIEDMONT	129	12.04	639	12.30	11.99
HSA IV CAPITAL	111	12.26	529	12.24	12.77
HSA V CARDINAL	109	11.50	557	12.00	13.47
HSA VI EASTERN	143	13.06	636	11.87	13.21
COUNTIES					
1 ALAMANCE	20	19.55	84	16.64	15.74
2 ALEXANDER	4	15.02	25	19.13	18.56
3 ALLEGHANY	4	41.27	9	18.37	13.79
4 ANSON	7	26.68	17	13.10	17.82
5 ASHE	0	0.00	18	15.59	12.25
6 AVERY	0	0.00	6	8.06	6.42
7 BEAUFORT	7	16.18	29	13.72	11
8 BERTIE	2	9.37	13	12.18	7.11
9 BLADEN	2	6.50	10	6.51	7.99
10 BRUNSWICK	5	10.97	28	13.57	12.84
11 BUNCOMBE	24	14.26	140	16.98	15.89
12 BURKE	9	11.91	58	15.61	14.02
13 CABARRUS	11	11.94	63	13.97	12.87
14 CALDWELL	10	14.23	59	17.21	15.96
15 CAMDEN	0	0.00	5	17.31	17.25
16 CARTERET	2	4.10	17	7.44	5.89
17 CASWELL	2	8.91	11	10.15	12.29
18 CATAWBA	16	14.20	69	12.59	11.72
19 CHATHAM	2	5.65	14	8.07	7.98
20 CHEROKEE	5	24.74	13	13.20	10.64
21 CHOWAN	2	15.19	9	14.04	16.48
22 CLAY	0	0.00	4	11.43	7.87
23 CLEVELAND	12	13.92	47	11.14	10.94
24 COLUMBUS	9	17.28	40	13.43	16.03
25 CRAVEN	9	11.32	42	11.15	12.96
26 CUMBERLAND	32	12.49	156	12.34	15.43
27 CURRITUCK	3	23.26	11	17.94	15.64
28 DARE	2	11.59	13	16.58	12.36
29 DAVIDSON	14	11.81	74	12.78	11.19
30 DAVIE	4	14.45	25	18.46	16.39
31 DUPLIN	6	14.42	20	9.67	9.34
32 DURHAM	17	10.51	95	12.02	13.35
33 EDGECOMBE	7	11.98	34	11.88	16.06
34 FORSYTH	34	13.15	169	13.39	13.43
35 FRANKLIN	3	9.15	13	8.27	8.61
36 GASTON	14	8.15	104	12.42	11.59
37 GATES	1	10.65	4	8.73	13.76
38 GRAHAM	0	0.00	4	11.24	8.67
39 GRANVILLE	6	16.36	29	16.23	17.27
40 GREENE	3	18.17	9	11.01	11.92
41 GUILFORD	36	11.02	202	12.53	12.68

* SEE SECTION I

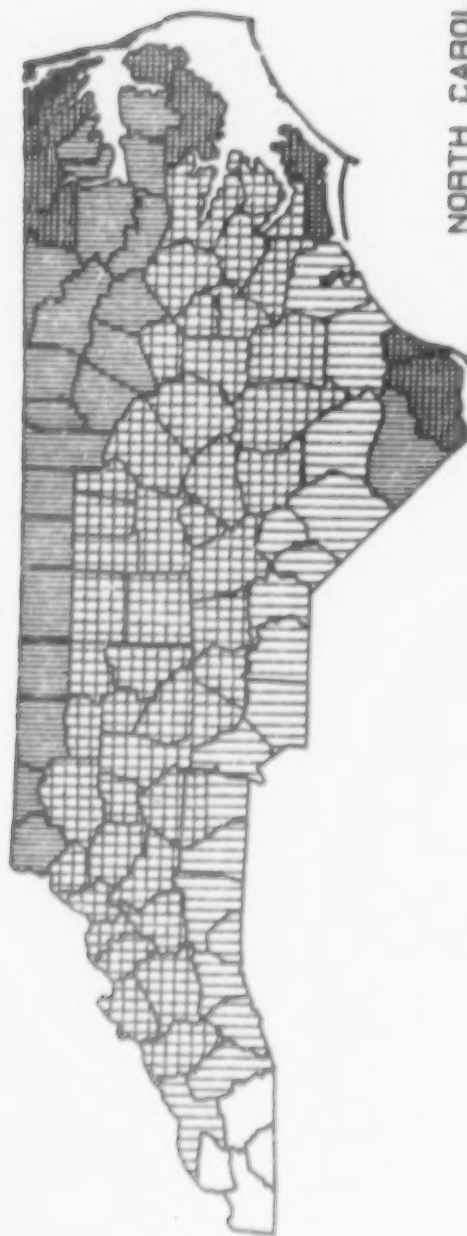
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	7	12.50	25	8.97	9.49
43 HARNETT	9	14.28	43	13.93	14.54
44 HAYWOOD	4	8.34	27	11.43	8.24
45 HENDERSON	16	24.17	52	16.41	14.83
46 HERTFORD	3	12.53	10	8.42	8.20
47 Hoke	1	4.44	11	9.98	11.87
48 HYDE	2	33.50	5	16.78	19.68
49 IREDELL	9	10.31	54	12.63	11.74
50 JACKSON	3	11.12	17	12.65	12.43
51 JOHNSTON	12	15.62	66	17.87	17.18
52 JONES	1	10.23	7	14.32	14.34
53 LEE	12	29.59	28	14.52	14.77
54 LENOIR	7	11.57	32	10.61	13.02
55 LINCOLN	8	17.52	32	14.57	14.83
56 McDOWELL	4	11.02	16	8.85	12.00
57 MACON	1	4.33	16	14.41	11.23
58 MADISON	2	11.63	12	13.92	10.77
59 MARTIN	3	11.25	16	12.09	15.51
60 MECKLENBURG	52	11.75	232	10.89	11.44
61 MITCHELL	3	20.60	13	18.06	13.32
62 MONTGOMERY	4	16.83	16	13.75	13.85
63 MOORE	3	5.47	40	15.10	12.81
64 NASH	11	15.53	41	11.78	13.03
65 NEW HANOVER	12	10.71	69	12.68	12.63
66 NORTHAMPTON	2	8.94	9	6.01	9.71
67 ONSLOW	11	8.97	55	9.35	11.16
68 ORANGE	9	10.91	31	7.76	8.56
69 PAMLICO	0	0.00	9	16.81	16.38
70 PASQUOTANK	0	0.00	10	6.94	7.16
71 PENDER	2	8.18	19	16.26	16.83
72 PERQUIMANS	3	29.13	6	12.21	15.47
73 PERSON	8	26.44	31	20.73	21.49
74 PITT	17	17.73	75	15.48	18.95
75 POLK	1	6.95	13	18.61	18.41
76 RANDOLPH	6	6.17	63	13.28	11.96
77 RICHMOND	3	6.50	16	7.00	7.53
78 ROBESON	10	9.43	51	9.75	12.70
79 ROCKINGHAM	17	19.92	74	17.41	17.07
80 ROWAN	16	15.46	77	15.16	13.90
81 RUTHERFORD	6	10.53	38	13.65	12.17
82 SAMPSON	5	9.93	28	11.18	12.74
83 SCOTLAND	5	14.87	13	7.80	9.49
84 STANLY	9	17.93	43	17.50	16.14
85 STOKES	1	2.82	20	11.52	9.53
86 SURRY	15	24.66	57	18.89	16.30
87 SWAIN	3	28.04	7	13.22	12.47
88 TRANSYLVANIA	2	7.81	11	8.92	7.26
89 TYRRELL	1	24.23	2	9.62	11.13
90 UNION	10	12.80	34	9.07	9.23
91 VANCE	3	7.82	12	6.40	8.55
92 WAKE	39	11.02	200	12.20	12.15
93 WARREN	0	0.00	10	12.23	18.91
94 WASHINGTON	0	0.00	10	13.77	17.83
95 WATAUGA	2	5.85	25	14.89	12.38
96 WAYNE	12	12.16	61	12.44	13.74
97 WILKES	8	13.15	52	17.32	16.57
98 WILSON	19	29.52	59	18.44	20.40
99 YADKIN	8	27.24	24	16.42	17.27
100 YANCEY	2	12.84	9	11.77	9.49

* SEE SECTION I

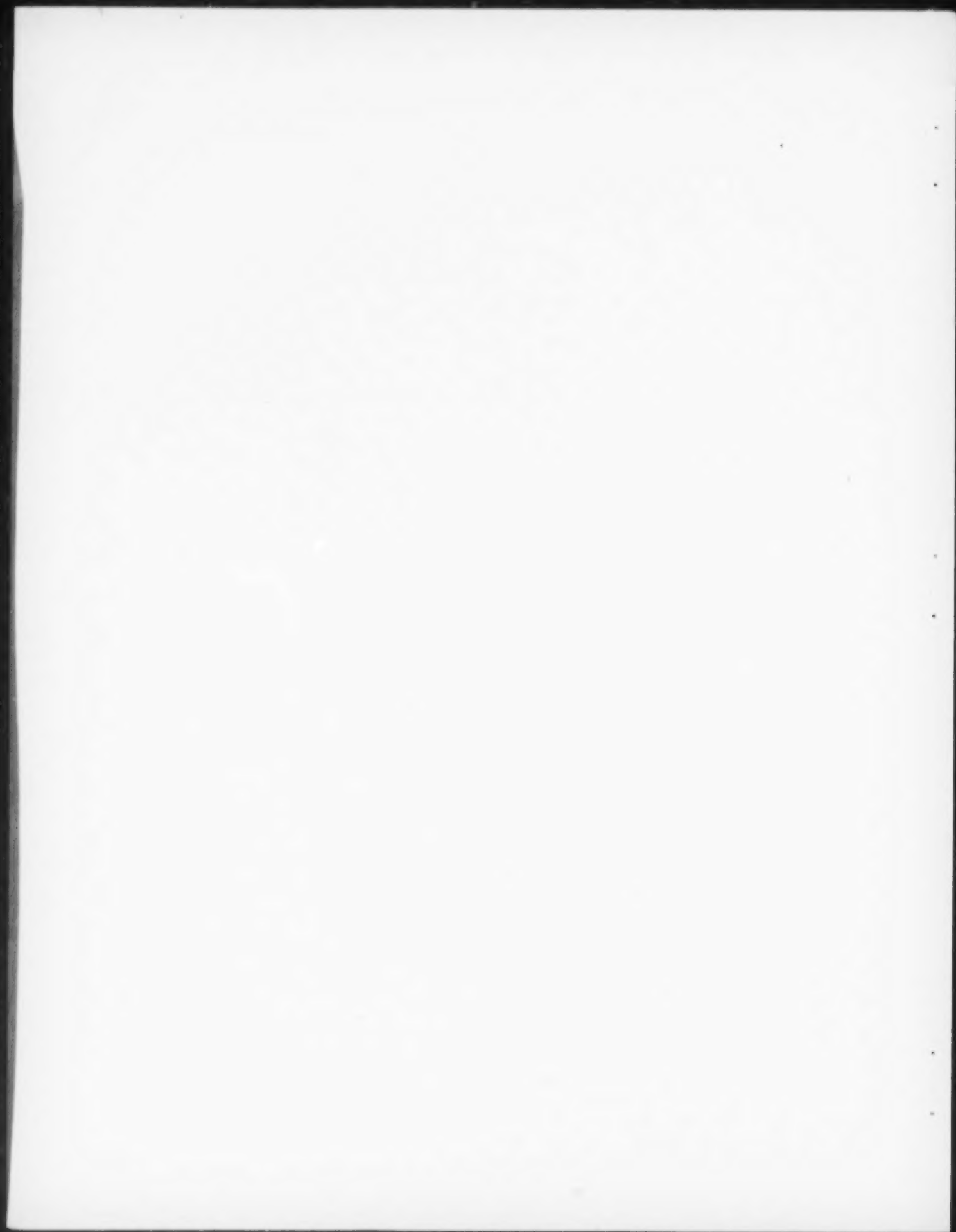
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NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

SUICIDE



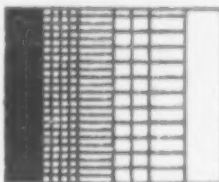
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 26.A

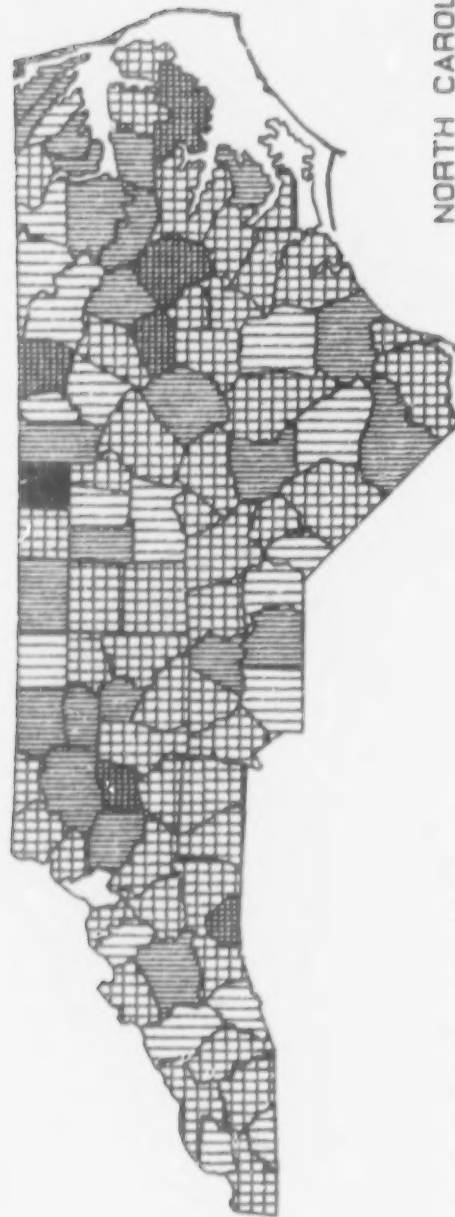


SUICIDE

MORTALITY RATES PER
100,000 POPULATION



20.41 to 21.5
17.34 to 20.41
14.84 to 17.84
9.72 to 14.84
5.89 to 9.72



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 26.B

TABLE 27
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	564	9.01	2904	9.52	9.52
REGIONS					
DOR I WESTERN	170	7.93	925	8.85	11.04
DHR II N. CENTRAL	105	7.96	547	8.44	8.61
DHR III S. CENTRAL	175	11.95	802	11.32	10.09
DHR IV EASTERN	114	8.58	630	9.72	8.56
HSA I WESTERN	69	6.43	401	7.63	10.94
HSA II PIEDMONT	94	8.07	458	8.00	8.52
HSA III S. PIEDMONT	101	9.43	524	10.09	10.90
HSA IV CAPITAL	96	10.60	436	10.09	9.17
HSA V CARDINAL	109	11.50	563	12.13	10.73
HSA VI EASTERN	95	8.68	522	9.74	8.43
COUNTIES					
1 ALAMANCE	5	4.88	44	8.72	9.54
2 ALEXANDER	1	3.75	11	8.41	6.53
3 ALLEGHANY	1	10.31	3	6.12	4.46
4 ANSON	7	26.68	23	17.73	17.37
5 ASHE	0	0.00	4	3.46	2.79
6 AVERY	0	0.00	3	4.03	3.25
7 BEAUFORT	3	6.93	26	12.30	11.51
8 BERTIE	1	4.68	7	6.56	5.94
9 BLADEN	2	6.50	21	13.67	8.65
10 BRUNSWICK	5	10.97	17	8.24	8.47
11 BUNCOMBE	8	4.75	60	7.27	9.74
12 BURKE	6	7.94	38	10.23	12.02
13 CABARRUS	5	5.43	31	6.87	9.20
14 CALDWELL	6	8.54	29	8.46	13.65
15 CAMDEN	0	0.00	1	3.46	4.68
16 CARTERET	1	2.05	19	8.32	10.78
17 CASWELL	2	8.91	9	8.31	4.62
18 CATAWBA	4	3.55	42	7.66	11.75
19 CHATHAM	7	19.79	27	15.56	13.96
20 CHEPOMEE	2	9.89	9	9.14	7.96
21 CHOWAN	0	0.00	5	7.80	8.29
22 CLAY	0	0.00	2	5.71	4.74
23 CLEVELAND	10	11.60	53	12.56	14.00
24 COLUMBUS	5	9.60	32	12.34	11.39
25 CRAVEN	6	7.34	27	7.17	6.77
26 CUMBERLAND	36	14.05	137	10.83	9.74
27 CURRITUCK	1	7.75	6	9.78	11.87
28 DARE	1	5.79	4	5.10	4.54
29 DAVIDSON	6	5.06	39	6.73	8.07
30 DAVIE	0	0.00	4	2.95	6.49
31 DUPLIN	1	2.40	19	9.19	7.46
32 DURHAM	21	12.99	92	11.64	9.41
33 EDGEcombe	4	6.84	31	10.83	7.77
34 FORSYTH	27	10.44	124	9.82	9.62
35 FRANKLIN	4	12.20	21	13.37	11.54
36 GASTON	13	7.56	79	9.43	11.55
37 GATES	2	21.31	6	13.09	8.13
38 GRAHAM	2	27.82	3	8.43	7.34
39 GRANVILLE	1	2.72	15	8.39	7.30
40 GREENE	0	0.00	6	7.34	5.05
41 GUILFORD	34	10.41	131	8.12	7.73

* SEE SECTION I

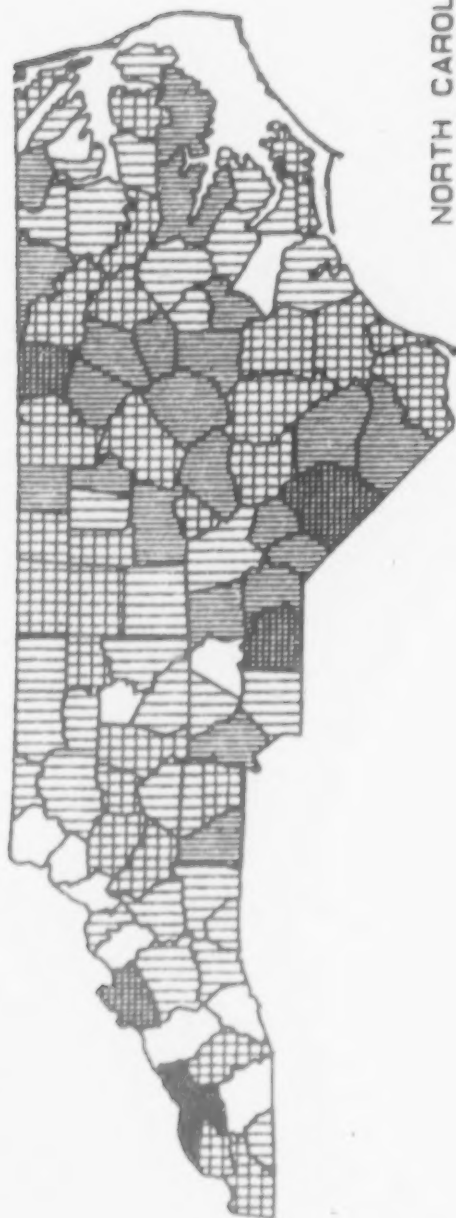
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	4	7.14	30	10.77	8.32
43 HARNETT	7	11.11	45	14.58	15.09
44 HAYWOOD	4	8.34	9	3.81	6.83
45 HENDERSON	6	9.06	22	6.94	17.78
46 HERTFORD	3	12.53	9	7.58	3.40
47 HOKE	4	17.77	13	11.79	9.77
48 HYDE	0	0.00	4	13.42	11.42
49 IREDELL	9	10.31	42	9.82	11.54
50 JACKSON	1	3.70	14	10.42	12.21
51 JOHNSTON	8	10.41	47	12.72	13.87
52 JONES	1	10.23	2	4.09	4.12
53 LEE	6	14.79	18	9.33	9.90
54 LENOIR	9	14.88	37	12.27	9.92
55 LINCOLN	4	8.76	16	7.28	7.76
56 McDOWELL	4	11.02	11	6.09	7.32
57 MACON	1	4.33	2	1.80	16.25
58 MADISON	3	17.45	15	17.41	13.29
59 MARTIN	3	11.25	11	8.31	6.02
60 MECKLENBURG	58	13.10	292	13.71	12.14
61 MITCHELL	1	6.86	4	5.55	3.85
62 MONTGOMERY	2	8.41	18	15.47	15.35
63 MOORE	3	5.47	19	7.17	7.99
64 NASH	7	9.88	51	14.65	13.83
65 NEW HANOVER	7	6.24	48	8.82	9.51
66 NORTHAMPTON	4	17.88	13	11.58	10.91
67 ONSLOW	10	8.16	36	6.12	6.04
68 ORANGE	9	10.91	29	7.26	7.18
69 PAMLICO	0	0.00	3	5.60	5.71
70 PASQUOTANK	1	3.40	10	6.94	6.00
71 PENDER	2	8.18	11	9.41	8.47
72 PERQUIMANS	1	9.71	2	4.07	4.02
73 PERSON	2	6.61	18	12.03	10.63
74 PITT	5	5.21	35	7.42	6.59
75 POLK	0	0.00	5	7.16	12.16
76 RANDOLPH	4	4.11	30	6.32	9.91
77 RICHMOND	2	4.33	35	15.33	15.44
78 ROBESON	18	16.97	94	17.98	14.21
79 ROCKINGHAM	7	8.20	40	9.41	9.85
80 ROWAN	8	7.73	35	6.89	7.85
81 RUTHERFORD	3	5.26	19	6.82	6.89
82 SAMPSON	4	7.94	28	11.18	9.76
83 SCOTLAND	5	14.87	22	13.21	10.91
84 STANLY	2	3.98	10	4.07	4.97
85 STOKES	4	11.31	12	6.91	6.87
86 SURRY	4	6.57	18	5.96	6.54
87 SWAIN	3	28.04	11	20.78	21.17
88 TRANSYLVANIA	0	0.00	4	3.24	2.68
89 TYRRELL	0	0.00	2	9.62	9.08
90 UNION	2	2.56	19	5.07	6.33
91 VANCE	3	7.82	20	10.66	9.82
92 WAKE	34	9.60	134	8.17	8.06
93 WARREN	1	6.09	15	18.35	10.49
94 WASHINGTON	0	0.00	4	5.51	2.99
95 WATAUGA	0	0.00	4	2.38	1.97
96 WAYNE	17	17.23	68	13.87	11.99
97 WILKES	3	4.93	22	7.33	11.37
98 WILSON	10	15.54	48	15.00	13.69
99 YADKIN	1	3.40	7	4.78	3.75
100 YANCEY	0	0.00	2	2.61	1.73

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

HOMICIDE



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 27.A



HOMICIDE



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-SEX ADJUSTED

FIGURE 27.B

TABLE 28
MORTALITY STATISTICS FOR 1985
NORTH CAROLINA RESIDENTS
INFANT DEATHS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
NORTH CAROLINA	1070	11.96	5535	12.90	0.00
REGIONS					
DHR I WESTERN	307	10.88	1579	11.62	0.00
DHR II N. CENTRAL	205	11.89	1037	12.74	0.00
DHR III S. CENTRAL	275	12.06	1500	13.88	0.00
DHR IV EASTERN	283	13.36	1419	13.69	0.00
HSA I WESTERN	134	10.39	733	11.59	0.00
HSA II PIEDMONT	166	10.97	870	12.14	0.00
HSA III S. PIEDMONT	173	11.30	846	11.65	0.00
HSA IV CAPITAL	187	14.54	849	14.63	0.00
HSA V CARDINAL	160	10.50	1010	13.40	0.00
HSA VI EASTERN	250	13.91	1227	13.92	0.00
COUNTIES					
1 ALABAMA	10	7.75	84	13.99	0.00
2 ALEXANDER	3	9.25	21	12.62	0.00
3 ALLEGHANY	0	0.00	5	9.52	0.00
4 ANSON	5	14.16	30	16.42	0.00
5 ASHE	4	17.93	14	10.98	0.00
6 AVERY	0	0.00	8	8.33	0.00
7 BEAUFORT	6	10.08	29	10.15	0.00
8 BERTIE	8	25.80	29	17.73	0.00
9 BLADEN	3	8.84	25	12.89	0.00
10 BRUNSWICK	4	6.05	30	10.31	0.00
11 BUNCOMBE	18	8.76	100	10.03	0.00
12 BURKE	8	9.28	49	11.48	0.00
13 CABARRUS	10	8.05	59	10.04	0.00
14 CALDWELL	10	11.27	47	11.02	0.00
15 CAMDEN	0	0.00	2	6.02	0.00
16 CARTERET	11	14.92	44	12.47	0.00
17 CASWELL	1	3.87	13	10.06	0.00
18 CATAWBA	21	14.09	94	13.54	0.00
19 CHATHAM	6	11.29	33	13.29	0.00
20 CHEROKEE	1	4.73	8	7.07	0.00
21 CHOWAN	2	10.86	13	14.13	0.00
22 CLAY	2	27.02	3	7.53	0.00
23 CLEVELAND	16	14.29	91	16.75	0.00
24 COLUMBUS	11	14.58	66	16.62	0.00
25 CRAVEN	24	14.95	101	13.00	0.00
26 CUMBERLAND	51	9.30	358	13.43	0.00
27 CURRITUCK	4	22.59	19	21.66	0.00
28 DARE	2	8.00	8	6.90	0.00
29 DAVIDSON	16	10.01	80	10.84	0.00
30 DAVIE	2	7.04	16	11.38	0.00
31 DUPLIN	7	12.19	48	17.12	0.00
32 DURHAM	29	11.84	161	14.87	0.00
33 EDGEcombe	17	18.99	70	16.15	0.00
34 FORSYTH	51	14.72	202	12.46	0.00
35 FRANKLIN	8	18.73	24	12.28	0.00
36 GASTON	25	10.32	157	13.40	0.00
37 GATES	3	21.27	9	14.92	0.00
38 GRAHAM	0	0.00	3	6.18	0.00
39 GRANVILLE	8	15.77	34	15.53	0.00
40 GREENE	2	8.33	19	16.40	0.00
41 GUILFORD	54	12.51	268	12.93	0.00

* SEE SECTION I

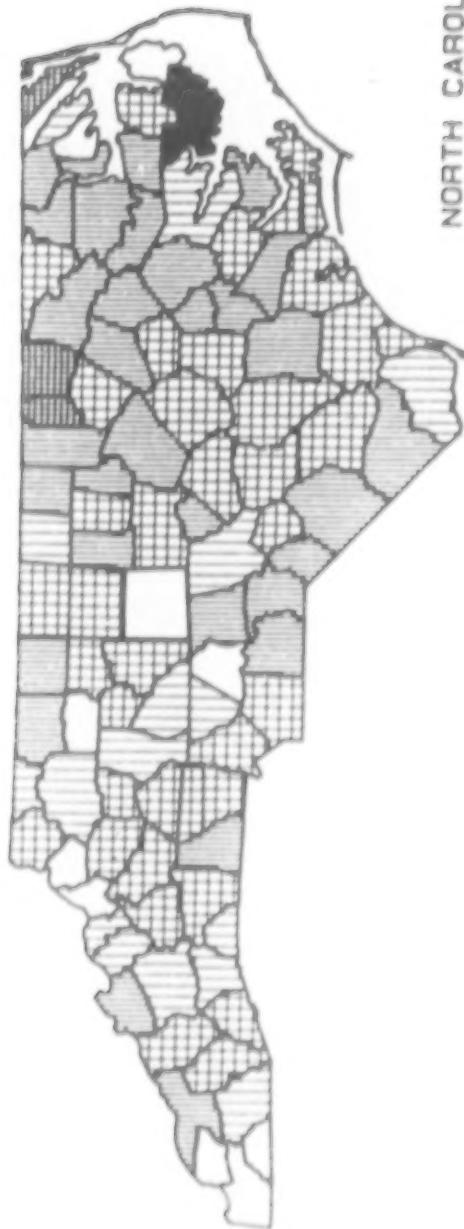
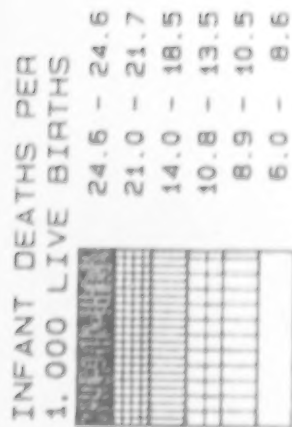
MORTALITY STATISTICS FOR 1985, NORTH CAROLINA RESIDENTS
INFANT DEATHS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1985	DEATH RATE* 1985	NUMBER OF DEATHS 1981-85	DEATH RATE* 1981-85	ADJUSTED DEATH RATE* 1981-85
42 HALIFAX	14	16.74	77	17.47	0.00
43 HARNETT	9	8.15	56	11.32	0.00
44 HAYWOOD	7	13.48	29	11.48	0.00
45 HENDERSON	7	8.68	37	9.85	0.00
46 HERTFORD	4	11.76	26	14.36	0.00
47 HOKE	2	6.02	22	13.01	0.00
48 HYDE	1	14.70	10	24.63	0.00
49 IREDELL	10	9.09	48	8.91	0.00
50 JACKSON	4	13.98	19	12.96	0.00
51 JOHNSTON	11	10.96	56	11.45	0.00
52 JONES	2	12.98	12	17.54	0.00
53 LEE	15	23.43	50	16.54	0.00
54 LENOIR	16	20.43	63	15.52	0.00
55 LINCOLN	7	12.38	36	12.56	0.00
56 McDOWELL	4	8.84	27	12.17	0.00
57 MACON	3	12.39	11	9.09	0.00
58 MADISON	1	5.95	14	15.31	0.00
59 MARTIN	3	8.21	28	15.14	0.00
60 MECKLENBURG	83	12.13	390	12.21	0.00
61 MITCHELL	2	10.36	9	9.44	0.00
62 MONTGOMERY	8	25.39	29	18.54	0.00
63 MOORE	4	5.82	34	9.65	0.00
64 NASH	24	22.77	92	17.89	0.00
65 NEW HANOVER	13	8.89	77	10.90	0.00
66 NORTHAMPTON	4	13.74	19	12.01	0.00
67 ONSLOW	36	10.52	196	12.52	0.00
68 ORANGE	13	13.03	57	12.32	0.00
69 PAMLICO	8	21.42	10	14.70	0.00
70 PASQUOTANK	3	6.72	24	10.52	0.00
71 PENDER	5	15.38	19	12.14	0.00
72 PERQUIMANS	2	15.26	5	7.35	0.00
73 PERSON	3	8.54	27	15.28	0.00
74 PITT	15	10.75	95	13.99	0.00
75 POLK	3	23.07	7	10.52	0.00
76 RANDOLPH	12	9.18	51	8.58	0.00
77 RICHMOND	7	11.98	48	16.15	0.00
78 ROBESON	28	16.26	128	14.34	0.00
79 ROCKINGHAM	9	7.78	63	11.59	0.00
80 ROWAN	16	11.90	64	9.96	0.00
81 RUTHERFORD	4	5.39	46	13.04	0.00
82 SAMPSON	4	6.65	44	13.54	0.00
83 SCOTLAND	6	11.67	44	17.17	0.00
84 STANLY	5	7.45	25	8.08	0.00
85 STOKES	3	7.26	29	14.01	0.00
86 SURRY	6	8.43	52	14.59	0.00
87 SWAIN	2	12.65	14	16.12	0.00
88 TRANSYLVANIA	2	7.22	18	12.66	0.00
89 TYRRELL	0	0.00	4	13.15	0.00
90 UNION	17	15.09	67	12.53	0.00
91 VANCE	11	19.06	58	20.99	0.00
92 WAKE	74	14.41	325	14.51	0.00
93 WARREN	9	37.19	24	21.64	0.00
94 WASHINGTON	4	18.60	16	14.23	0.00
95 WATAUGA	3	8.21	12	6.43	0.00
96 WAYNE	19	11.85	100	12.43	0.00
97 WILKES	8	10.75	38	10.32	0.00
98 WILSON	14	15.69	59	12.69	0.00
99 YADKIN	2	5.95	12	7.50	0.00
100 YANCEY	1	5.78	9	10.47	0.00

* SEE SECTION I

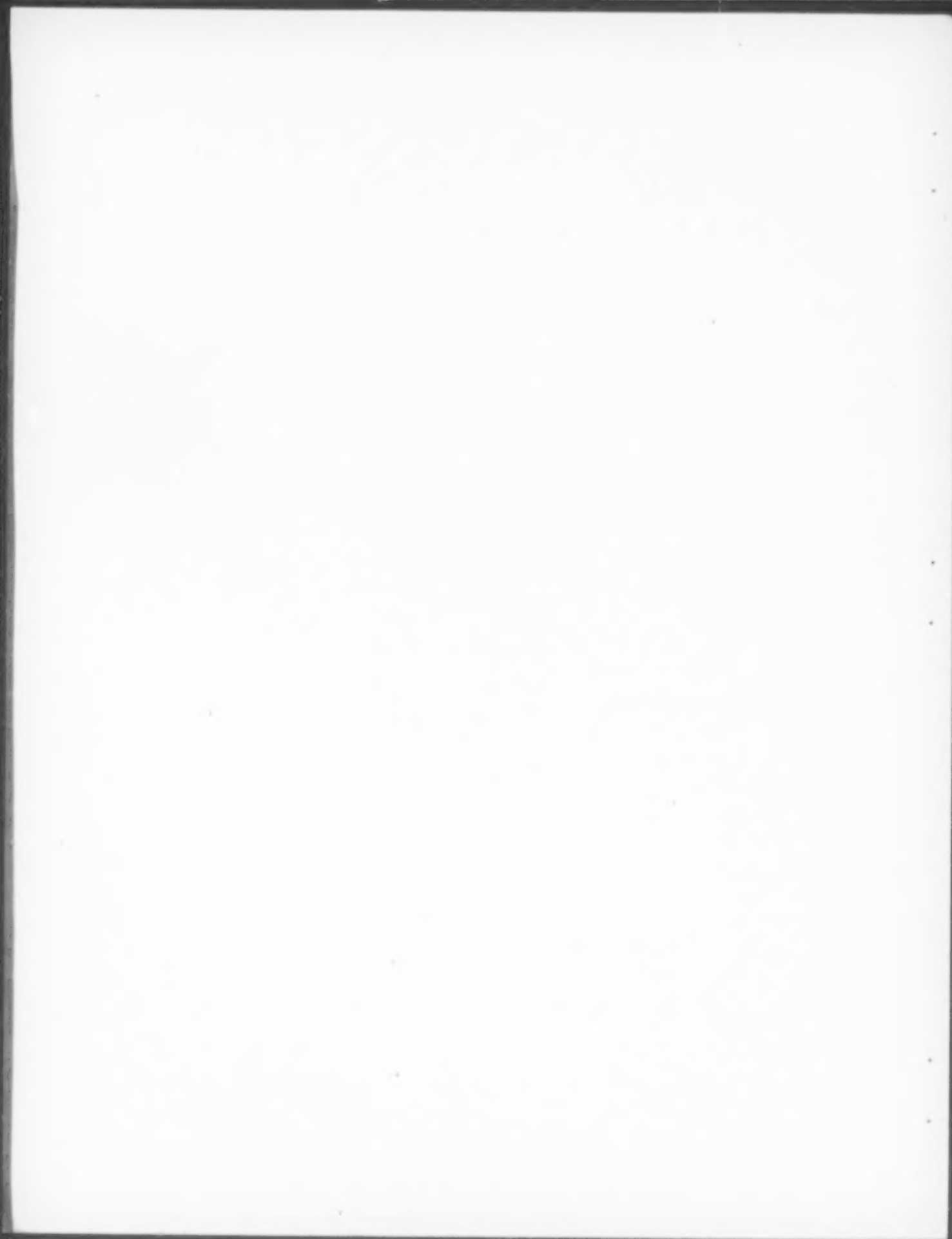
STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

INFANT DEATH RATES



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 28



VI. TABLES AND FIGURES:
MULTIPLE CONDITIONS
PRESENT AT DEATH
1981-85



TABLE 29

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED
CONDITIONS, NORTH CAROLINA RESIDENTS, 1985

	Underlying Cause of Death	Total Under- lying*	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)											
			1	2	3	4	5	6	7	8	9	10	11	12
1	Diseases of heart	19069	19069	7564	8477	2380	1866	8636	785	18	92	15	145	80
2	Acute myocardial infarction	7521	7521	2916	862	455	2997	234	234	2	24	5	56	22
3	Other forms of ischemic heart disease	5480	5480	0	5480	558	542	3566	240	9	29	3	44	18
4	Hypertension with or without renal disease	231	118	0	0	230	16	49	9	0	0	0	3	2
5	Cerebrovascular disease	4633	1502	67	370	663	4633	1633	145	5	24	3	12	17
6	Atherosclerosis	529	322	0	0	0	0	529	21	1	5	0	1	5
7	Cancer	11159	2705	74	383	227	298	488	11159	285	1243	596	3129	1061
8	Stomach	280	64	3	5	6	6	10	280	280	1	1	1	0
9	Colon, rectum, sigmoid junction & anus	1215	296	14	46	29	29	64	1215	1	1215	0	4	4
10	Pancreas	593	152	2	19	14	12	23	593	0	3	593	1	1
11	Trachea, bronchus and lung	3105	686	16	124	45	62	133	3105	0	10	0	3105	6
12	Female breast	1042	185	3	17	23	21	22	1042	0	2	0	2	1042
13	Cervix uteri	161	42	0	4	4	4	4	161	0	0	0	0	0
14	Ovary & other uterine adnexa	288	79	2	7	11	5	9	288	0	2	0	0	1
15	Prostate	679	222	8	38	16	34	47	679	1	3	0	1	0
16	Leukemia	394	101	3	9	5	25	12	394	0	2	0	0	3
17	Diabetes Mellitus	869	606	164	220	179	191	302	26	0	9	2	1	5
18	Pneumonia & Influenza	1767	750	55	176	58	246	314	132	3	11	2	20	11
19	Chronic obstructive pulmonary disease & allied conditions	1675	828	52	169	53	76	217	115	1	11	0	56	7
20	Chronic liver disease and cirrhosis	567	146	4	16	8	7	24	16	0	1	0	1	1
21	Nephritis, nephrotic syndrome & nephrosis	619	355	33	41	11	46	59	28	0	5	0	0	1
22	Motor vehicle accidents	1513	79	5	9	5	5	6	0	0	0	0	0	0
23	All other accidents & adverse effects	1454	300	14	45	32	48	71	27	1	4	0	4	3
24	Suicide	790	37	2	4	4	3	9	17	0	1	1	3	1
25	Homicide	564	23	1	5	0	3	3	0	0	0	0	0	0
TOTAL DEATHS**		53018	29670	8231	10336	4126	7939	13050	12786	321	1433	624	3426	1216

TABLE 29 — Continued

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED
CONDITIONS, NORTH CAROLINA RESIDENTS, 1985

Underlying Cause of Death	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)																Alcohol			
	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1 Diseases of heart	4	13	152	37	1838	695	1377	104	751	8	460	0	2	229						
2 Acute myocardial infarction	1	2	49	10	833	149	441	23	190	2	92	0	0	61						
3 Other forms of ischemic heart disease	2	5	40	14	522	228	496	37	221	2	155	0	2	100						
4 Hypertension with or without renal disease	0	0	0	1	32	9	8	0	7	0	4	0	0	9						
5 Cerebrovascular disease	2	1	36	12	417	387	143	20	134	1	202	0	1	22						
6 Atherosclerosis	0	0	1	0	36	41	18	3	63	0	14	0	0	4						
7 Cancer	165	291	717	414	361	629	600	50	353	0	265	0	0	38						
8 Stomach	0	1	1	0	3	8	7	3	7	0	3	0	0	0						
9 Colon, rectum, rectosigmoid junction & anus	0	0	8	3	42	37	31	3	38	0	43	0	0	2						
10 Pancreas	0	0	1	0	48	20	10	2	12	0	6	0	0	2						
11 Trachea, bronchus and lung	2	1	15	9	65	242	363	14	26	0	53	0	0	14						
12 Female breast	1	0	0	1	28	27	17	0	12	0	20	0	0	1						
13 Cervix uteri	161	0	0	0	4	3	0	0	21	0	7	0	0	0						
14 Ovary & other uterine adnexa	0	288	0	0	6	2	1	1	13	0	9	0	0	0						
15 Prostate	0	0	679	2	25	42	31	1	71	0	9	0	0	3						
16 Leukemia	0	0	1	394	8	49	7	0	20	0	16	0	0	0						
17 Diabetes Mellitus	0	0	4	2	869	41	21	5	121	0	30	0	0	12						
18 Pneumonia & Influenza	1	2	19	11	88	1767	156	29	121	0	25	0	0	38						
19 Chronic obstructive pulmonary disease & allied conditions	2	0	17	5	51	283	1675	9	50	1	55	0	0	19						
20 Chronic liver disease and cirrhosis	0	0	1	1	24	31	19	562	52	0	10	0	0	269						
21 Nephritis, nephrotic syndrome & nephrosis	0	0	2	3	28	41	14	6	619	0	22	0	0	6						
22 Motor vehicle accidents	0	0	0	0	2	0	6	5	7	1513	9	0	0	125						
23 All other accidents & adverse effects	2	0	5	2	32	30	34	15	33	0	1454	0	0	195						
24 Suicide	0	0	2	2	5	0	8	1	0	0	790	0	0	43						
25 Homicide	0	0	0	0	0	1	2	1	0	0	3	0	564	21						
TOTAL DEATHS**	181	310	1003	514	4130	4548	4375	903	2859	1530	3134	791	568	1436						

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequence of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

Note: In this table, a death counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

TABLE 30
NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED
TOGETHER, NORTH CAROLINA RESIDENTS, 1985

	Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Diseases of heart	29670	8231	10336	3276	3952	11532	3816	91	437	177	894	298
2	Acute myocardial infarction	8231	8231	3054	935	568	3173	321	5	40	7	72	28
3	Other forms of ischemic heart disease	10336	3054	10336	1056	1237	6914	777	16	95	25	207	48
4	Hypertension with or without renal disease	3276	935	1056	4126	1220	1294	329	8	47	15	60	40
5	Cerebrovascular disease	3952	568	1237	1220	7939	3154	548	12	67	15	86	48
6	Atherosclerosis	11532	3173	6914	1294	3154	13050	976	21	137	30	203	80
7	Cancer	3816	321	777	329	548	976	12786	321	1433	629	3426	1216
8	Stomach	91	5	16	8	12	21	321	321	3	1	1	0
9	Colon, rectum, rectosigmoid junction & anus	437	40	95	47	67	137	1433	3	1433	3	16	7
10	Pancreas	177	7	25	15	15	30	629	1	3	629	1	1
11	Trachea, bronchus and lung	894	72	207	60	86	203	3426	1	16	1	3426	9
12	Female breast	298	28	48	40	48	80	1216	0	7	1	9	1216
13	Cervix uteri	53	1	6	5	7	7	181	0	1	0	2	1
14	Ovary & other uterine adnexa	93	4	13	11	9	16	310	1	3	0	2	2
15	Prostate	446	58	113	40	95	161	1003	2	15	1	21	0
16	Leukemia	164	14	29	11	45	40	514	1	5	0	9	4
17	Diabetes Mellitus	3095	1054	1306	947	944	1633	474	9	67	52	80	45
18	Pneumonia & Influenza	2142	233	611	217	885	1029	850	12	64	22	284	43
19	Chronic obstructive pulmonary disease & allied conditions	2801	530	1079	319	380	1283	798	9	57	10	452	29
20	Chronic liver disease and cirrhosis	326	30	88	40	30	102	71	3	6	2	16	1
21	Nephritis, nephrotic syndrome & nephrosis	1745	269	444	71	302	674	467	12	60	13	32	19
22	Motor vehicle accidents	89	8	12	6	7	10	0	0	0	0	0	0
23	All other accidents & adverse effects	1184	137	344	130	351	471	358	5	62	8	63	34
24	Suicide	37	2	4	4	3	9	17	0	1	1	3	1
25	Homicide	25	1	7	0	4	4	0	0	0	0	0	0
26	Alcohol-related conditions	471	68	153	76	43	143	46	0	3	2	14	1
	TOTAL DEATHS*	29670	8231	10336	4126	7939	13050	12786	321	1433	629	3426	1216

TABLE 30 — Continued

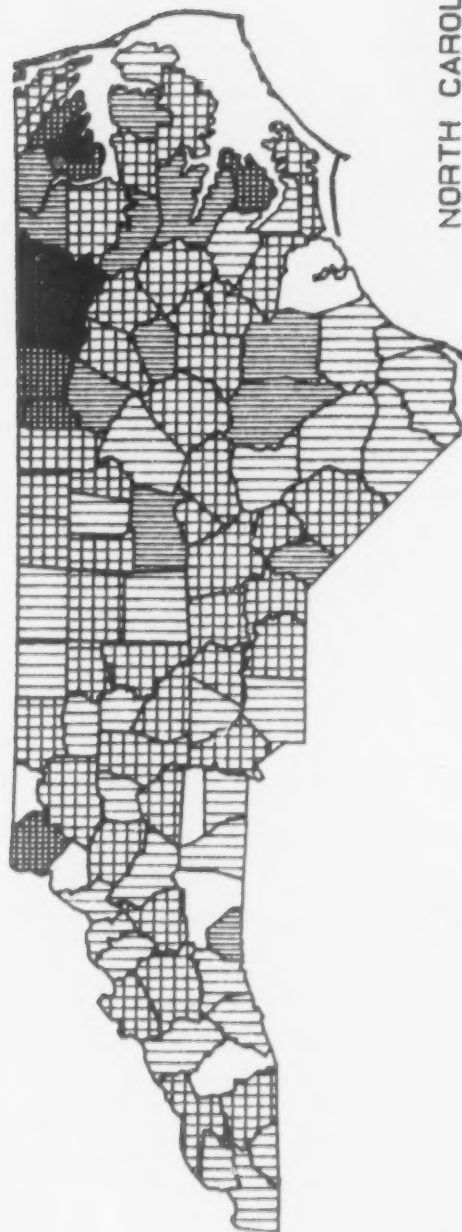
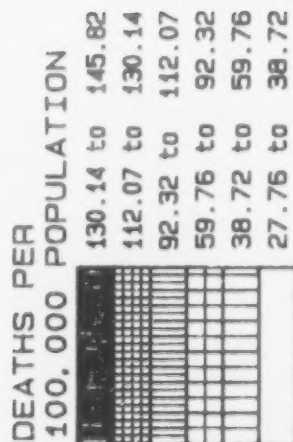
NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED
TOGETHER, NORTH CAROLINA RESIDENTS, 1985

Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)													Numbers Refer to Row Titles				
	13	14	15	16	17	18	19	20	21	22	23	24	25	Alcohol				
1 Diseases of heart	53	93	446	164	3095	2142	2801	326	1745	89	1184	37	25	471				
2 Acute myocardial infarction	1	4	58	14	1054	233	530	30	269	8	137	2	1	68				
3 Other forms of ischemic heart disease	6	13	113	29	1306	611	1079	88	444	12	344	4	7	153				
4 Hypertension with or without renal disease	5	11	40	11	947	217	319	40	71	6	130	4	0	76				
5 Cerebrovascular disease	7	9	95	45	944	885	380	30	302	7	351	3	4	43				
6 Atherosclerosis	7	16	161	40	1633	1029	1283	102	674	10	471	9	4	143				
7 Cancer	181	310	1003	514	474	850	798	71	467	0	358	17	0	46				
8 Stomach	0	1	2	1	9	12	9	3	12	0	5	0	0	0				
9 Colon, rectum, rectosigmoid junction & anus	1	3	15	5	67	64	57	6	60	0	62	1	0	3				
10 Pancreas	0	0	1	0	52	22	10	2	13	0	8	1	0	2				
11 Trachea, bronchus and lung	2	2	21	9	80	284	452	16	32	0	63	3	0	14				
12 Female breast	1	2	0	4	45	43	29	1	19	0	34	1	0	1				
13 Cervix uteri	181	0	0	0	4	7	3	0	22	0	9	0	0	0				
14 Ovary & other uterine adnexa	0	310	0	0	7	4	2	1	15	0	10	0	0	0				
15 Prostate	0	0	1003	4	49	83	68	2	91	0	26	2	0	3				
16 Leukemia	0	0	4	514	16	67	17	1	27	0	23	2	0	1				
17 Diabetes Mellitus	4	7	49	16	4130	288	231	54	353	2	145	5	0	49				
18 Pneumonia & Influenza	7	4	83	67	288	4548	637	74	316	0	146	0	1	106				
19 Chronic obstructive pulmonary disease & allied conditions	3	2	68	17	231	637	4375	61	149	7	188	8	2	103				
20 Chronic liver disease and cirrhosis	0	1	2	1	54	74	61	903	78	5	39	1	2	371				
21 Nephritis, nephrotic syndrome & nephrosis	22	15	91	27	353	316	149	78	2859	7	133	0	1	68				
22 Motor vehicle accidents	0	0	0	0	2	0	7	5	7	1530	9	0	0	126				
23 All other accidents & adverse effects	9	10	26	23	145	146	188	39	133	9	3134	0	3	247				
24 Suicide	0	0	2	2	5	0	8	1	0	0	0	0	0	43				
25 Homicide	0	0	0	0	0	1	2	2	1	0	0	3	0	568				
26 Alcohol-related conditions	0	0	3	1	49	106	103	371	68	126	247	43	21	1436				
TOTAL DEATHS*	181	310	1003	514	4130	4548	4375	903	2859	1530	3134	791	568	1436				

*Differences between these totals and the summation over causes are attributable to causes not given in the table and to multiple counting of a condition if it appears in combination with more than one other condition on a certificate.

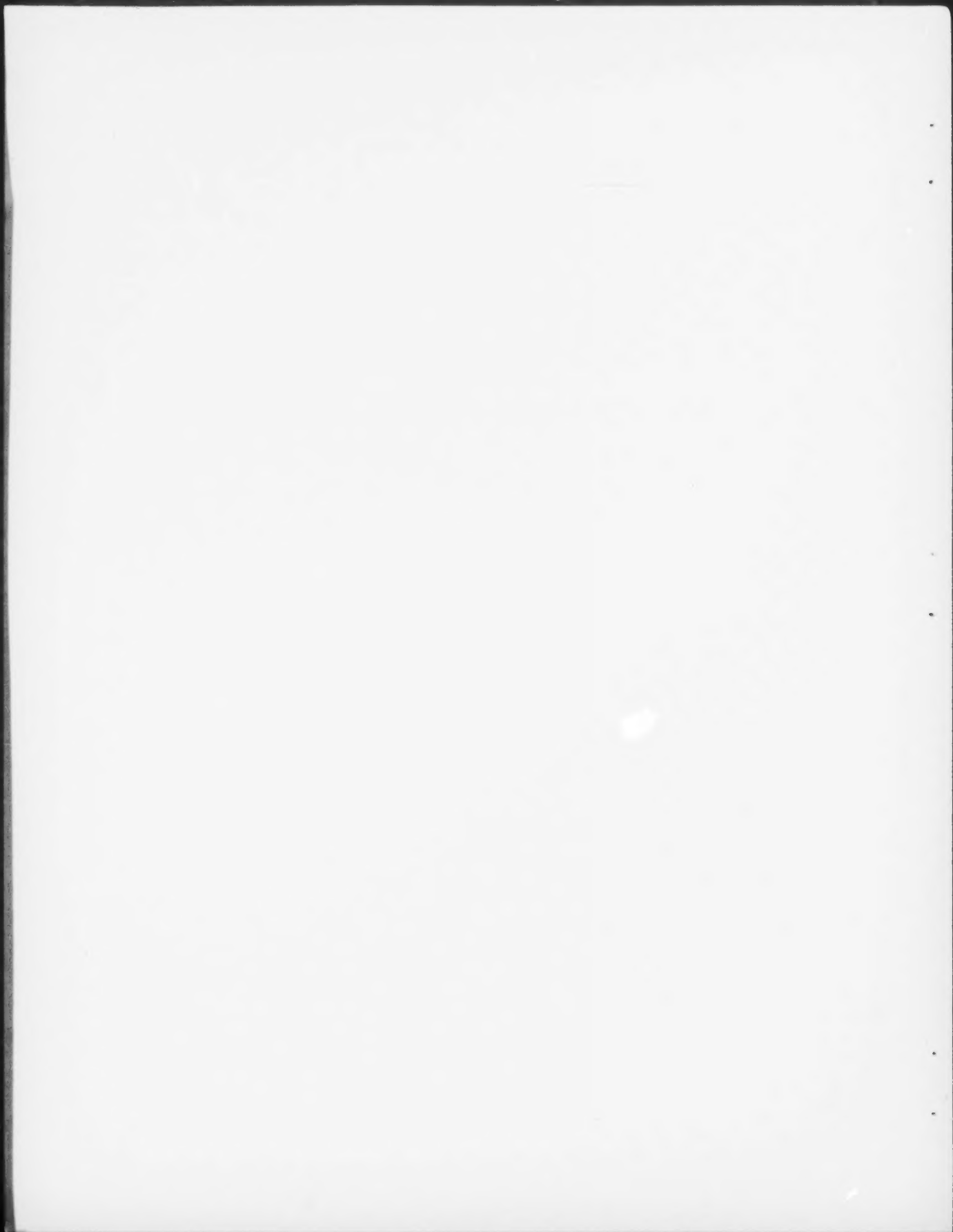
Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate. Also, the ICD-9 codes used to count hypertension and atherosclerosis mentions are different from the codes used to count underlying cause elsewhere in this report. For further explanation, see Multiple Conditions Present at Death, A Special Study, SCHS, 1982.

CONDITIONS MENTIONED - HYPERTENSION

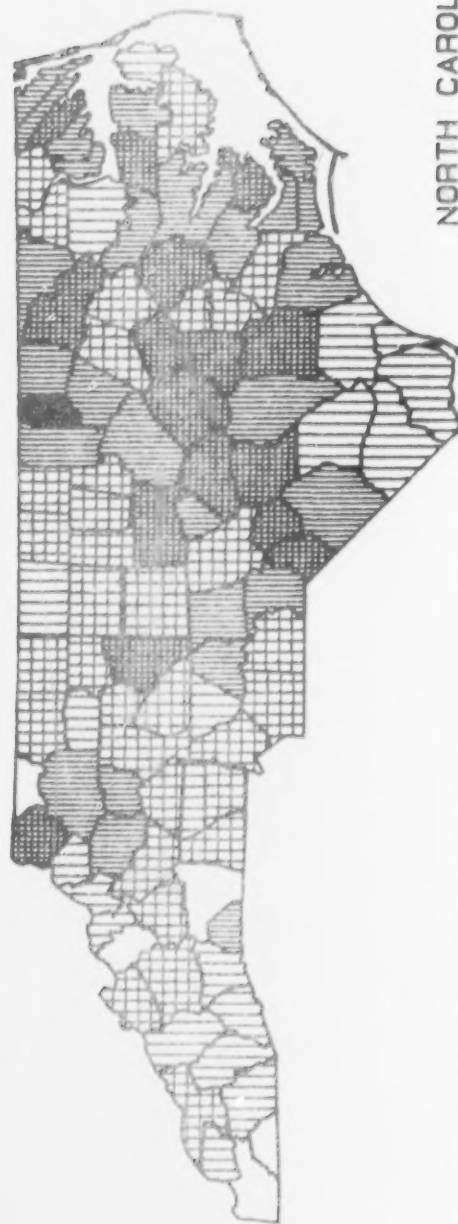


NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 29.A



CONDITIONS MENTIONED - HYPERTENSION



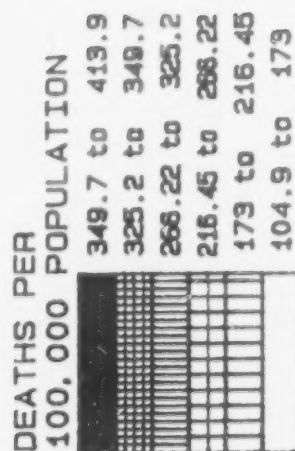
NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-RACE-SEX ADJUSTED

FIGURE 29.B



CONDITIONS MENTIONED - ATHEROSCLEROSIS



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

FIGURE 30. A

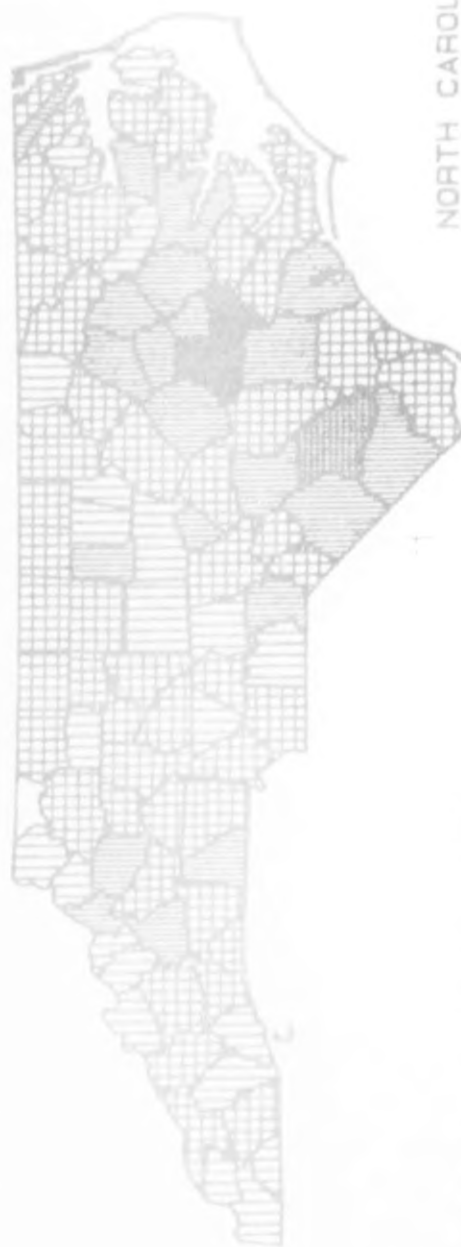
CONDITIONS MENTIONED - ATHEROSCLEROSIS

MORTALITY RATES PER
100,000 POPULATION



322.76 to 389.78
305.68 to 322.76
248.93 to 305.68
189.53 to 248.93
81.4 to 189.53

81.38 to 81.4



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-SEX-RACE ADJUSTED

FIGURE 30.8

CONDITIONS MENTIONED - DIABETES

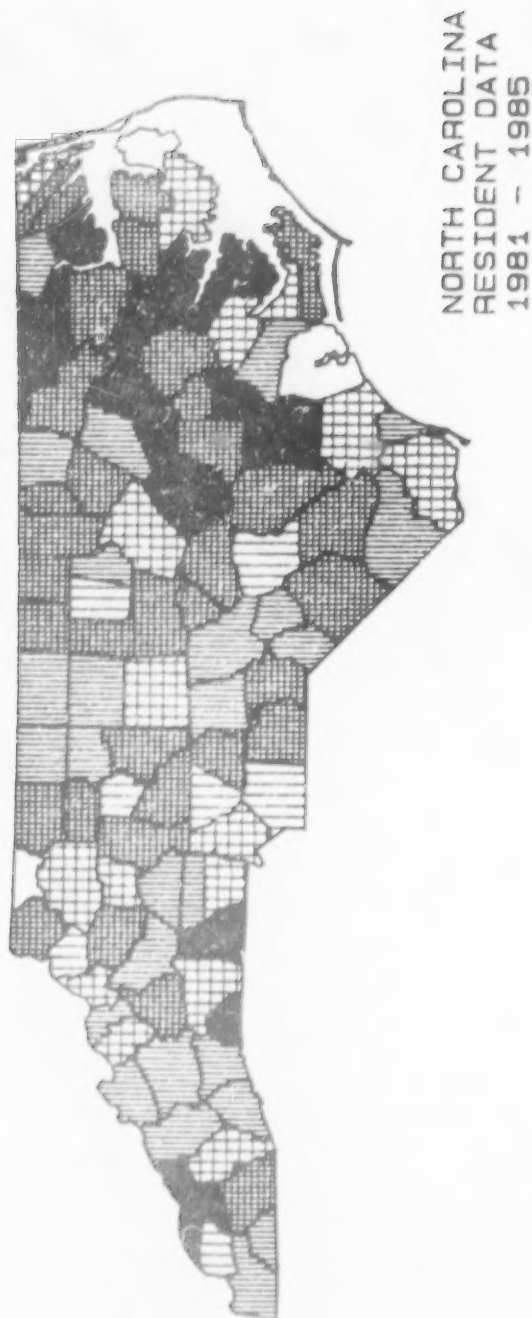
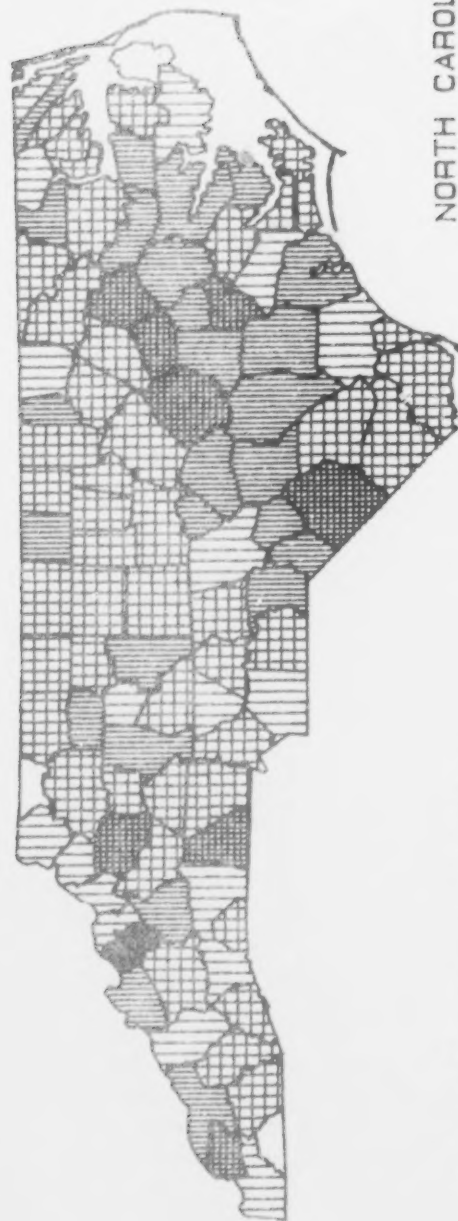


FIGURE 31.A



CONDITIONS MENTIONED - DIABETES



NORTH CAROLINA
RESIDENT DATA
1981 - 1985

AGE-SEX-RACE ADJUSTED

FIGURE 31.B

REFERENCES

1. SAS Institute Inc. *SAS User's Guide: Statistics*, 1982 Edition, Cluster Procedure. Cary, N.C., 1982.
2. Kleinman, J.C. "Infant Mortality," *Statistical Notes for Health Planners*, Number 2, National Center for Health Statistics, Rockville, Maryland, July 1976.